Initial

32" [16:9] AV/TV/PC MONITOR
LCD COLOR TELEVISION

DTV-322
DB-4500

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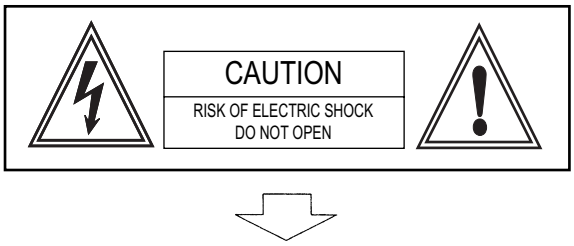
IMPORTANT INFORMATION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated ''dangerous voltage'' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the product.

FCC RF INTERFERENCE STATEMENT

NOTE: This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does not cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or more of the following measure.

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Correct the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio, TV technical for help.
- Only shielded interface cable should be used.

IMPORTANT SAFETY PRECAUTIONS

The present set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in the present unit will protect you if you observe the following procedures in installing, using and servicing. The present unit is fully transistorized and does not contain any element that can be repaired by the user.

1. Read these instructions - All operating instructions must be read and understood before the product is operated.
2. Keep these instructions - These safely and operating instructions must be kept in a safe place for future reference.
3. Heed all warnings - All warnings on the product and in the instructions must be observed closely.
4. Follow instructions - All operating instructions must be followed.
5. Attachment - Do not use attachments not recommended by the manufacturer. Use of inadequate attachments can result in accidents.
6. Power source - This product must operate on a power source specified on the model label. If you are not sure of the type of power supply used in your home, consult your dealer or local power company.
7. AC cord protection - The AC cords must be routed properly to prevent people from stepping on them or objects from resting on them. Check the cords at the plugs and product.
8. Overloading - Do not overload AC outlets or extension cords. Overloading can cause fire or electric shock.
9. Entering of objects and liquids - Never insert an object into the product through vents or openings. High voltage flows in the product, and inserting an object can cause electric shock and/or short internal parts. For the same reason, do not spill water or liquid on the product.
10. Servicing - Do not attempt to service the product yourself. Removing covers can expose you to high voltage and other dangerous conditions. Request a qualified service person to perform servicing.
11. Repair - If any of the following conditions occurs, unplug the AC cord from the AC outlet, and request a qualified service person to perform repairs.
    a) When the AC cord or plug is damaged.
    b) When a liquid was spilled on the product or when objects have fallen into the product.
    c) When the product has been exposed to rain or water.
    d) When the product does not operate properly as described in the operating instructions. Do not touch the controls other than those described in the operating instructions. Improper adjustment of controls not described in the instructions can cause damage, which often requires extensive adjustment work by a qualified technician.
    e) When the product has been dropped or damaged.

IMPORTANT SAFETY PRECAUTIONS

f) When the product displays an abnormal condition. Any noticeable abnormality in the product indicates that the product needs servicing.

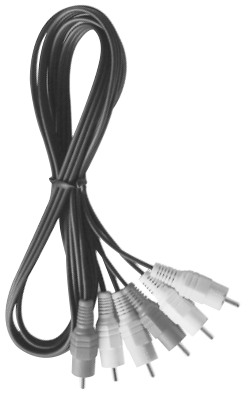
12. Replacement parts - In case the product needs replacement parts, make sure that the service person uses replacement parts specified by the manufacturer, or those with the same characteristics and performance as the original parts. Use of unauthorized parts can result in fire, electric shock and/or other danger.
13. Safety checks - Upon completion of service or repair work, request the service technician to perform safety checks to ensure that the product is in proper operating condition.
14. Wall or ceiling mounting - When mounting the product on a wall or ceiling, be sure to install the product according to the method recommended by the manufacturer.
15. Unplug the AC cord from the AC outlet before installing the speakers.
16. Cleaning - Unplug the AC cord from the AC outlet before cleaning the product. Use only with a dry cloth to clean this apparatus. Do not use liquid or aerosol cleaners.
17. Water and moisture - Do not use this product near water such as bathtub, washbasin, kitchen sink and laundry tub, swimming pool and in a wet basement. TV set shall not be exposed to dripping or slashing and no objects filled with liquid, such as vases, shall be placed on the TV set.
18. Stand - Do not place the product on an unstable cart, stand, tripod or table. Unstable installation is likely to make the product fall resulting in serious injuries as well as material damage. Use only the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus.
19. When a cart is used, use caution when moving the cart/apparatus combination to void injury from tip-over.
20. Ventilation - The vents and other openings in the cabinet are designed for ventilation. Do not cover or block them since insufficient ventilation can overheat and/or shorten the product s life span. Do not place the product on the bed, sofa, rug or other similar surfaces since they can block ventilation openings. This product is not designed for built-in installation; do not place the product in an enclosed place such as a bookcase or rack unless proper ventilation is provided or the manufacturer’s instructions are followed.
21. The LCD panel used in this product is made of glass. Therefore, it can be broken when the product is dropped or gets shock. Be careful not to be injured by glass pieces in case the panel is broken.
22. Heat sources - Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
23. The LCD panel is a product of very high technology with 2,949,120 thin film transistors, giving you fine picture details. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green or red point. Please note that this does not affect your product’s performance.

SUPPLIED ACCESSORIES

Make sure the following accessories are provided with the product.

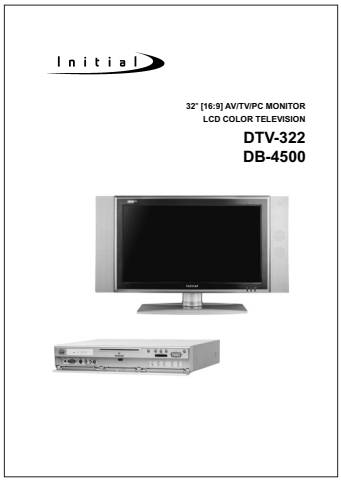
Power cord

Display connecting cable



AV cables

Remote control



User guide

It also include:

①batteries (2)

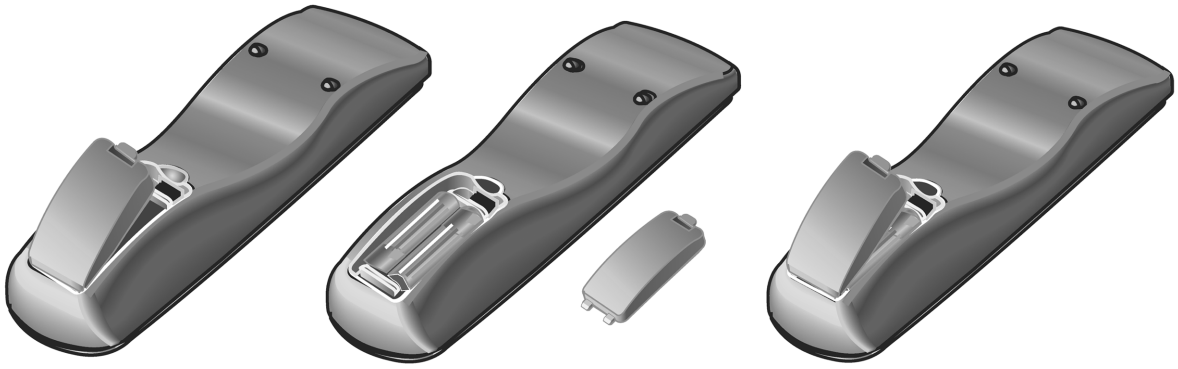
②Warranty card

③QSG card

PREPARATION

INSERTING BATTERIES INTO THE REMOTE CONTROL

Insert supplied batteries via the battery compartment on the back of the remote control.
Make sure polarity matches the (+) and (-) marks inside the compartment.



USING THE REMOTE CONTROL UNIT

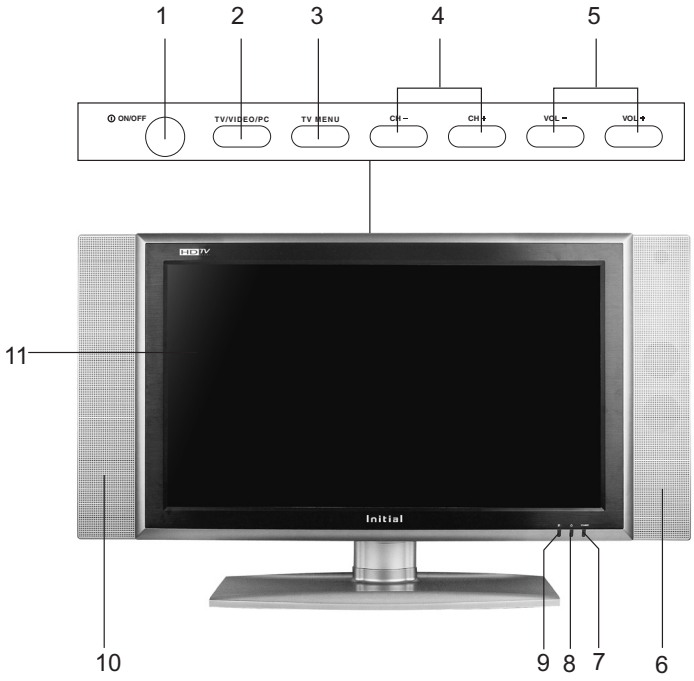
- Use the remote control by pointing it towards the remote sensor on the TV. Objects between the remote control and the sensor may disrupt operation.
- Effective range is 20 feet but is dependant on what your viewing angle is.
- Range can also be affected by direct sunlight on the TV's sensor.

CAUTIONS REGARDING REMOTE CONTROL UNIT

- Do not expose remote to liquids, direct sunlight or shock.
- The remote control unit may not work properly if the remote sensor window of the Display is under direct sunlight or strong lighting. In such case, change the angle of the lighting or Display, or operate the remote control unit closer to the remote sensor window.

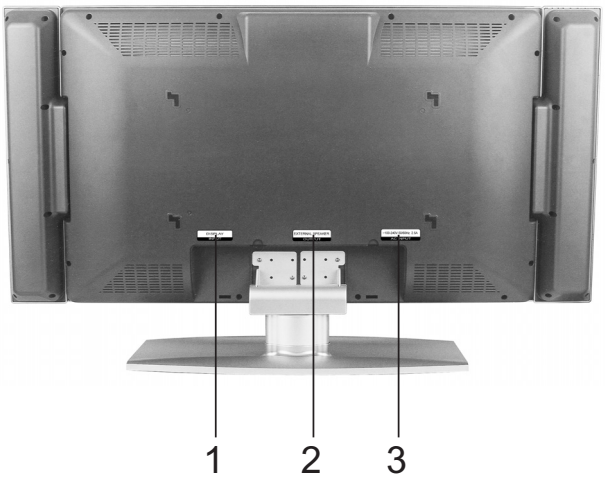
DISPLAY

FRONT VIEW



1) POWER: Use to turn the unit on and off.
2) TV/VIDEO/PC: Use to select the AV signal source among: TV, INTER DVD, VIDEO1, VIDEO2, VGA, and HDMI/DVI.
3) TV MENU: Use to bring up the TV menu.
4) CH+/-: Use to skip to the next/previous channel.
5) VOL +/-: Use to adjust the volume.
6) Right Speaker
7) STANDBY Indicator
8) Power On Indicator
9) Remote Sensor
10) Left Speaker
11) LCD Display

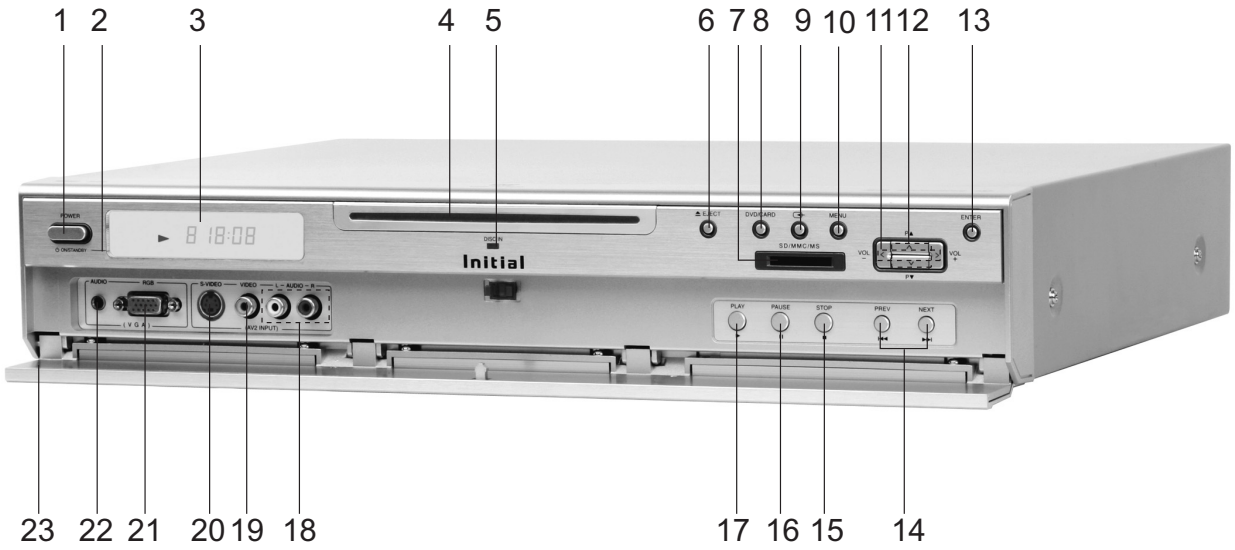
REAR VIEW



1) DISPLAY INPUT terminal
2) EXTERNAL SPEAKER OUTPUT terminal
3) AC INPUT terminal

AVC SYSTEM

FRONT PANEL



(1) POWER Button
(2) STANDBY indicator
(3) DVD VFD
(4) Disc Slot
(5) DISC IN INDICATOR
- When there is a disc in the unit, the indicator lights up green.
- No disc in the unit, the indicator is off.

(6) EJECT Button
(7) 3 in 1 Digital Card Slot (SD/MMC /MEMORY STICK)
(8) DVD/CARD Button
(9) VIDEO Button ( )
- Press it to enter into input select menu.

(10) MENU Button
- Press it to enter into TV menu.

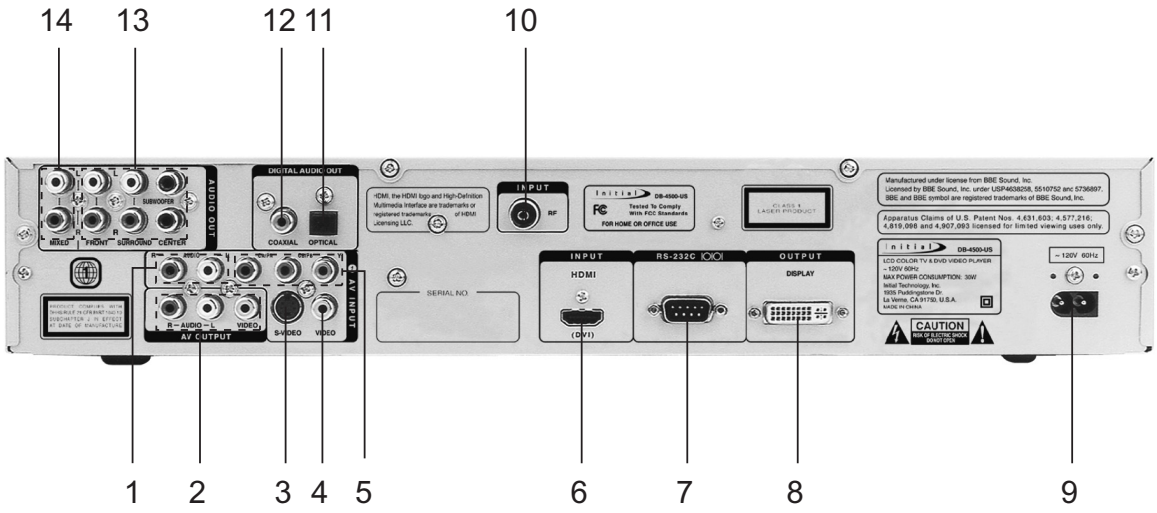
(11) VOL-/+ Button
- It can be used to adjust the volume.
- Also it can be used as left/right buttons when enter into TV menu.

(12) P ▲/ ▼ Button
- It can be used to select TV channel.
- Also it can be used as up/down buttons when enter into TV menu and INPUT select menu.

(13) ENTER Button
(14) PREV/NEXT Button
(15) STOP Button
(16) PAUSE Button
(17) PLAY Button
(18) AUDIO Input L/R (AV2 INPUT)
(19) VIDEO Input (AV2 INPUT)
(20) S-VIDEO Input (AV2 INPUT)
(21) ANALOG RGB (VGA INPUT)
(22) AUDIO Input (VGA INPUT)
(23) Panel Cover

AVC SYSTEM

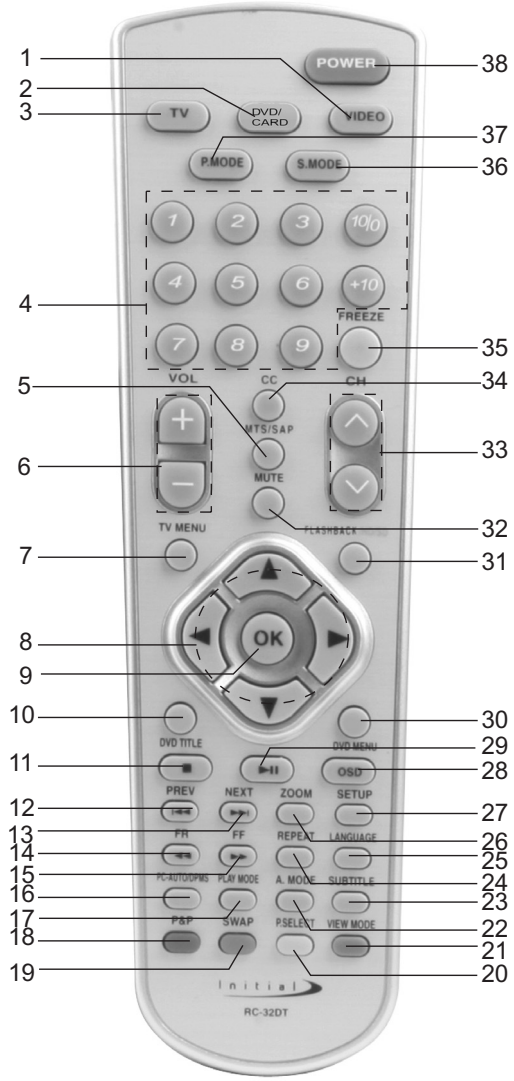
REAR PANEL



(1) AUDIO INPUT L/R(**AV1 INPUT**)
(2) AV OUTPUT (L/R、VIDEO)
(3) S-VIDEO INPUT (**AV1 INPUT**)
(4) VIDEO INPUT (**AV1 INPUT**)
(5) Y, Cb/Pb, Cr/Pr INPUT (**AV1 INPUT**)
(6) HDMI/DVI INPUT
(7) RS-232C Terminal*
(8) DISPLAY OUTPUT
(9) Power Supply Cord
(10) ANTENNA INPUT (RF)
(11) OPTICAL DIGITAL AUDIO OUTPUT (**DVD**)
(12) COAXIAL DIGITAL AUDIO OUTPUT (**DVD**)
(13) 5.1-CH AUDIO OUTPUT (**DVD**)
(14) MIXED AUDIO OUTPUT L/R(**DVD**)

* RS-232C Terminal:
This terminal is used for upgrade.
Users may use relevant software to upgrade this unit by connecting this unit to PC with this terminal.

REMOTE CONTROL



1) VIDEO: Use to select the input signal source among: TV, INTER DVD, VIDEO1, VIDEO2, VGA, and HDMI/DVI.

2) DVD/CARD: In DVD mode, use to shift between DVD and CARD. In other mode, press to change to DVD mode directly.

3) TV: Press to change to TV mode directly.

4) Number Buttons: Use to set the channel and to enter DVD chapter numbers.

5) MTS/SAP: Use to select the MTS/SAP stereo mode.

6) VOL +/-: Use to adjust the volume.

7) TV MENU: Use to bring up the TV menu.

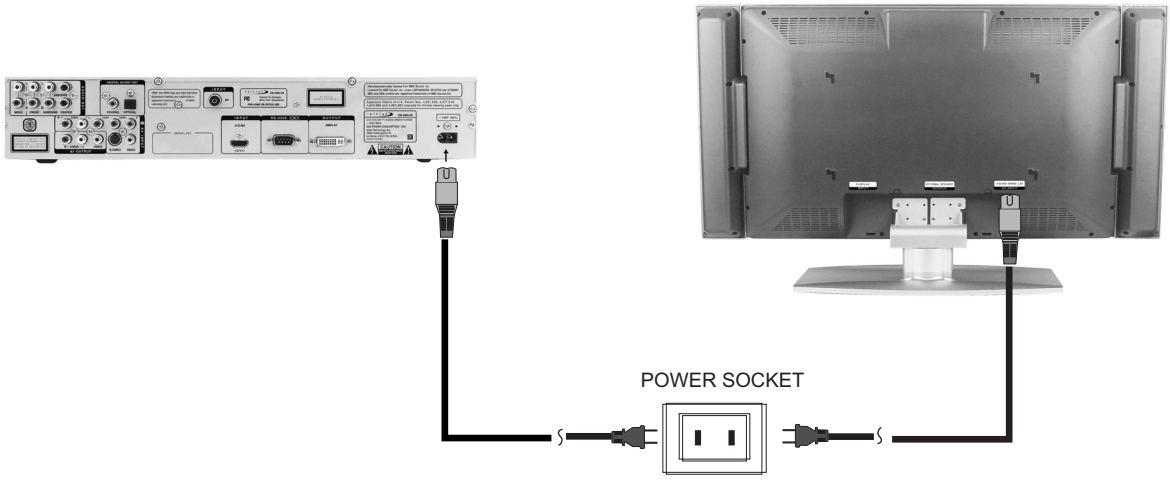
REMOTE CONTROL

8) **Cursor Buttons (▲ , ▼ , ◄ , ►):** Use to select a desired item on the setting screen. And move the picture on the screen.
9) **OK:** Use to confirm your selections.
10) **DVD TITLE:** Use to bring up the DVD title menu.
11) **STOP:** Use to stop the DVD playback.
12) ⏮: Press to skip to the previous chapter or track.
13) ⏭: Press to skip to the next chapter or track.
14) ◄◄: Press to play in fast backward.
15) ►► :Press to play in fast forward.
16) **PC-AUTO/DPMS:** In PC mode, auto adjustment for PC signals. In other mode, use to turn off the backlight.
17) **PLAY MODE:** Use to shift DVD play mode.
18) **P&P:** Use to set the dual picture mode (**SINGLE, PIP, PBP, POP1, POP3, and POP12**).
19) **SWAP:** Use to swap the primary and secondary picture.
20) **P.SELECT:** Use to select the primary and secondary picture.
21) **VIEW MODE:** Use to select a viewing mode among: Standard, Zoom, 4:3, Wide, and Full.
22) **A.MODE:** Use to shift the Audio mode.
23) **SUBTITLE:** Use to shift DVD subtitle language.
24) **REPEAT:** Use to repeat the DVD playback.
25) **LANGUAGE:** Use to shift DVD audio language.
26) **ZOOM:** Use to zoom the DVD playback picture.
27) **SETUP:** Use to bring up the DVD setup menu.
28) **OSD:** Use to bring up the DVD on screen display.
29) ► /❚❚: Use to begin/pause the DVD playback.
30) **DVD MENU:** Use to bring up the DVD root menu.
31) **FLASH BACK/HD/SD:** In TV mode,use to return to the previous channel; in inter DVD mode, use to shift between high definition and standard definition.
32) **MUTE:** Use to mute the sound.
33) **CH ∧/∨:** Use to skip to the next/previous channel; in other mode, press CH ∧/∨ to TV mode directly.
34) **CC(Closed Caption):** This is used to select closed caption among: on, off, CC mute.
35) **FREEZE:** Use to freeze the image being played; press again to resume playback. (Note: In POP12 and POP3 mode, it is not available.)
36) **S.MODE:** Use to select a sound mode among: Personal, Music, Theater, and News.
37) **P.MODE:** Use to select a picture mode among: Personal, Movies, Sports, Weak Signal, Multimedia.
38) **POWER:** Use to turn the unit on and off.

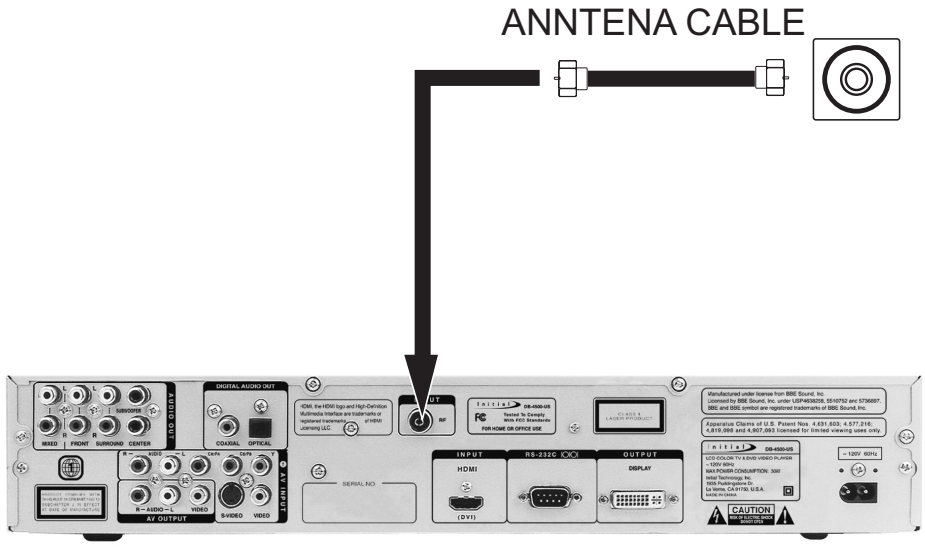
CONNECTIONS

You can connect many types of external equipment to your System. To protect all equipment, always turn off the AVC system before connecting.

CONNECT TO POWER



USING THE ANTENNA INPUT

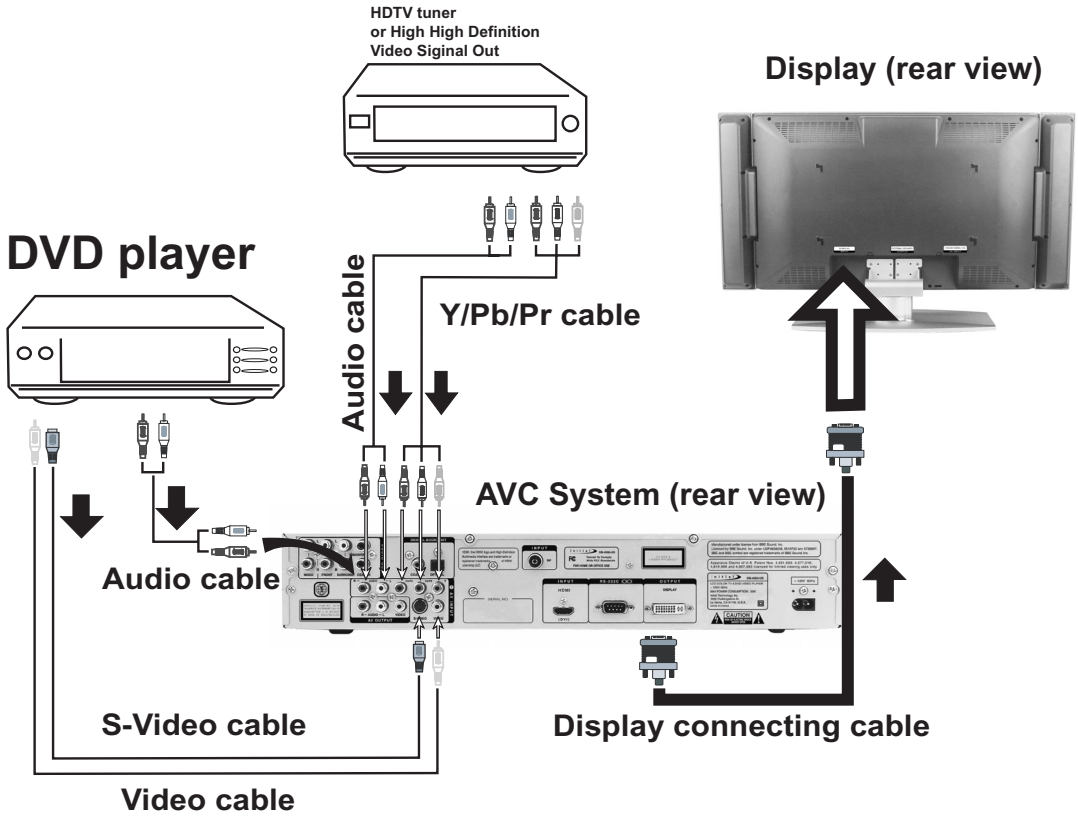


Connect the antenna terminal from an antenna or cable/satellite receiver to the antenna input terminal on the DB-4500; use the VIDEO button on the remote control to set the signal source to "TV".

CONNECTIONS

You can use the AV1 INPUT terminal when connecting an HDTV tuner and DVD player.

AV1 INPUT



Connect compatible AV equipment to the AVC system through the AV1 IN jacks on the back of AVC system (Composite Video/S-Video/Component Video and Audio input jacks).

To watch an image from this input terminal, you need to select the input source.

1) Select AV1 Input Setup in AV INPUT SETUP .

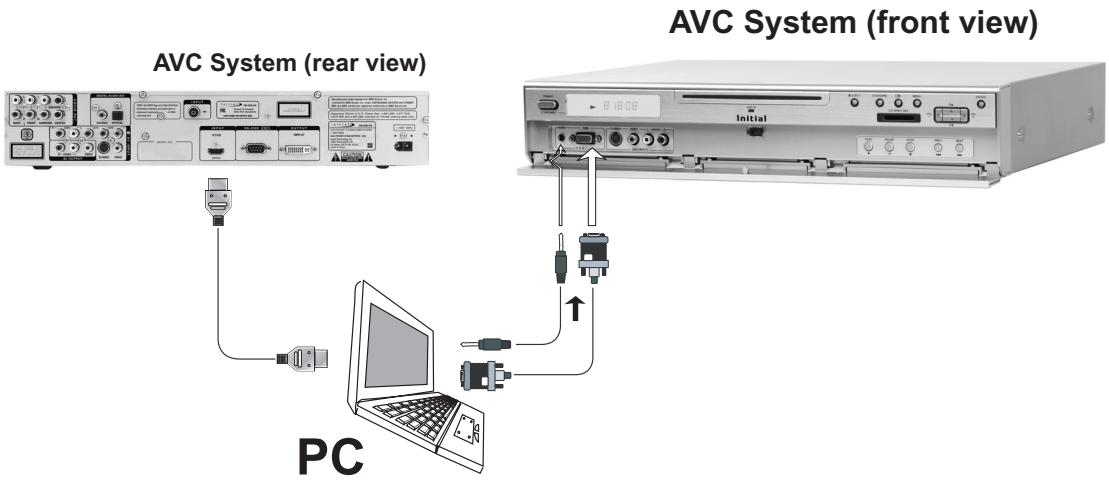
2) Select VIDEO1 in INPUT SELECT .

REMOTE CONTROL

8) **Cursor Buttons (▲ , ▼ , ◄ , ►):** Use to select a desired item on the setting screen. And move the picture on the screen.
9) **OK:** Use to confirm your selections.
10) **DVD TITLE:** Use to bring up the DVD title menu.
11) **STOP:** Use to stop the DVD playback.
12) ⏮: Press to skip to the previous chapter or track.
13) ⏭: Press to skip to the next chapter or track.
14) ◄◄: Press to play in fast backward.
15) ►► :Press to play in fast forward.
16) **PC-AUTO/DPMS:** In PC mode, auto adjustment for PC signals. In other mode, use to turn off the backlight.
17) **PLAY MODE:** Use to shift DVD play mode.
18) **P&P:** Use to set the dual picture mode (**SINGLE, PIP, PBP, POP1, POP3, and POP12**).
19) **SWAP:** Use to swap the primary and secondary picture.
20) **P.SELECT:** Use to select the primary and secondary picture.
21) **VIEW MODE:** Use to select a viewing mode among: Standard, Zoom, 4:3, Wide, and Full.
22) **A.MODE:** Use to shift the Audio mode.
23) **SUBTITLE:** Use to shift DVD subtitle language.
24) **REPEAT:** Use to repeat the DVD playback.
25) **LANGUAGE:** Use to shift DVD audio language.
26) **ZOOM:** Use to zoom the DVD playback picture.
27) **SETUP:** Use to bring up the DVD setup menu.
28) **OSD:** Use to bring up the DVD on screen display.
29) ► /❚❚: Use to begin/pause the DVD playback.
30) **DVD MENU:** Use to bring up the DVD root menu.
31) **FLASH BACK/HD/SD:** In TV mode,use to return to the previous channel; in inter DVD mode, use to shift between high definition and standard definition.
32) **MUTE:** Use to mute the sound.
33) **CH ∧/∨:** Use to skip to the next/previous channel; in other mode, press CH ∧/∨ to TV mode directly.
34) **CC(Closed Caption):** This is used to select closed caption among: on, off, CC mute.
35) **FREEZE:** Use to freeze the image being played; press again to resume playback. (Note: In POP12 and POP3 mode, it is not available.)
36) **S.MODE:** Use to select a sound mode among: Personal, Music, Theater, and News.
37) **P.MODE:** Use to select a picture mode among: Personal, Movies, Sports, Weak Signal, Multimedia.
38) **POWER:** Use to turn the unit on and off.

CONNECTIONS

PC INPUT



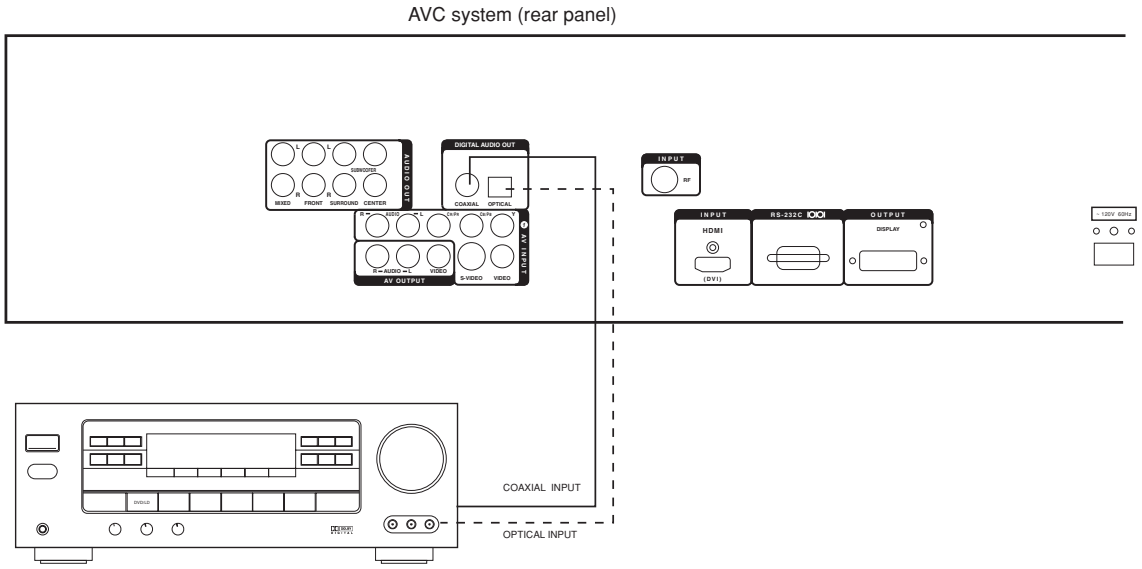
Using the ANALOG RGB connector: Connect a PC computer to the DB-4500 through the ANALOG RGB socket and the Audio input jack (for VGA) on the front panel of DB-4500; use the VIDEO button on the remote control to set the signal source to "VGA". DTV-322 monitor's native resolution for computer use is 1366x768.

Using the HDMI/DVI connector: Connect a PC computer to the DB-4500 through the HDMI/DVI socket on the back panel and the Audio input jack (for VGA) on the front panel of DB-4500; use the VIDEO button on the remote control to set the signal source to "HDMI/DVI".

CONNECTIONS

When you connecting to the DVD output terminal, you must select INTER DVD by pressing VIDEO on the remote control.

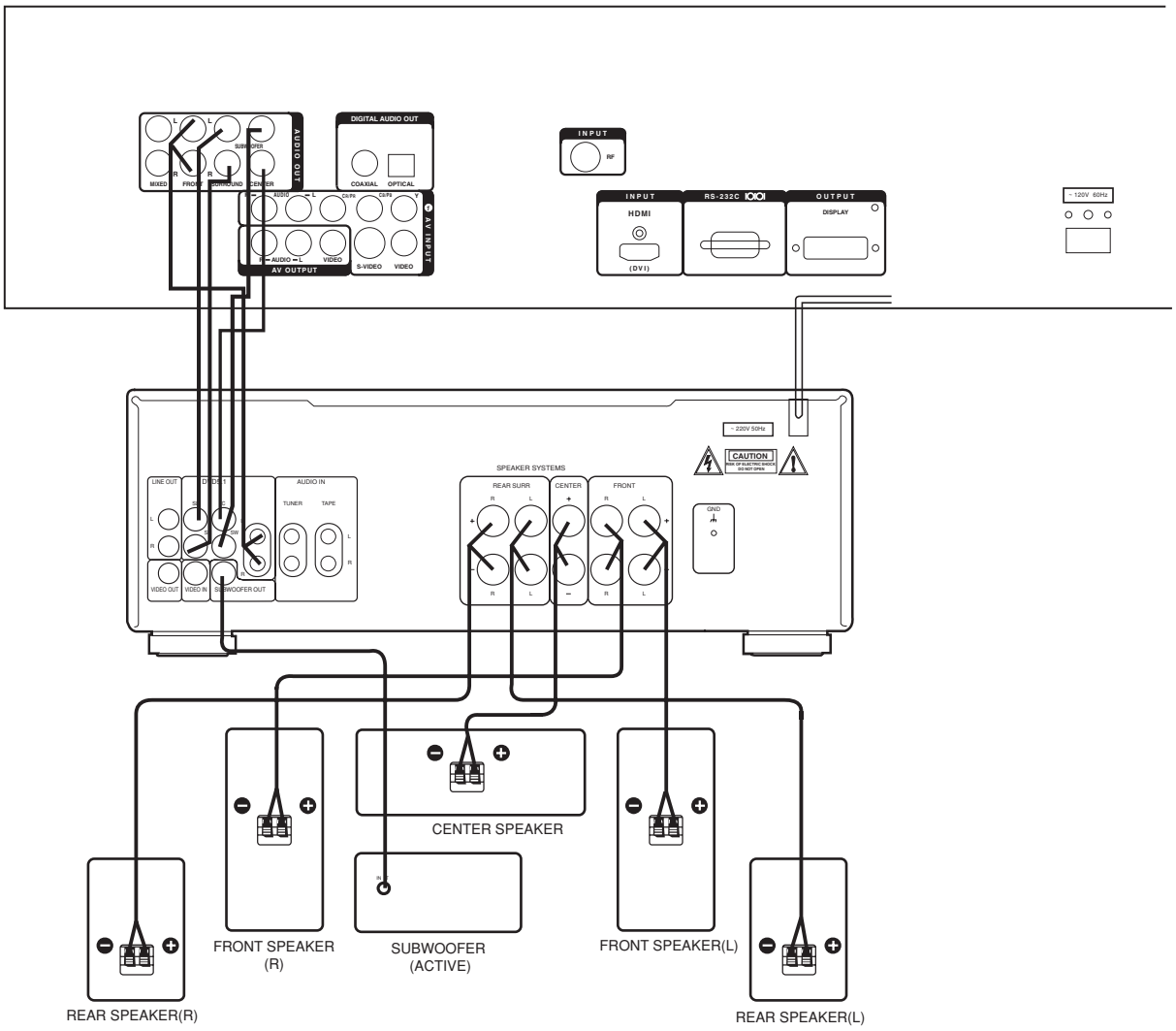
DVD OUT TO DIGITAL AMPLIFIER



1. When connecting to AV Receiver, you can connect to the coaxial or the optical digital audio input.
2. Meanwhile you must set the SPDIF to SPDIF/RAW or SPDIF/PCM in General setup . (see page 63)

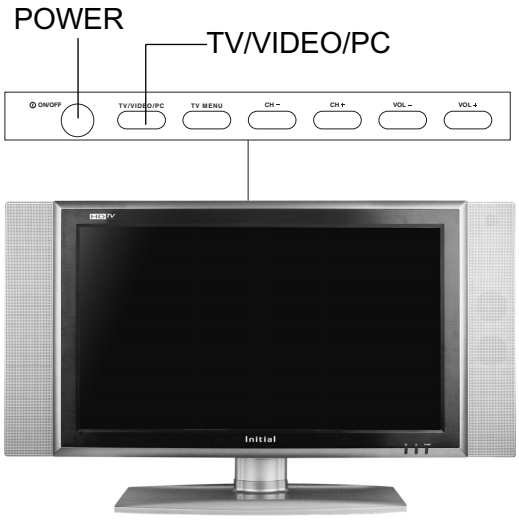
CONNECTIONS

DVD OUT TO 5.1-CHANNEL AMPLIFIER



Make sure the DOWNMIX is set to OFF after connecting the system cable above.
(see page 63)

BASIC OPERATIONS



TURN ON THE POWER

1. Turn on the power of the AVC system after the power cable is connected .And the AVC system is in standby state ;
2. Press POWER on the DISPLAY unit and the DISPLAY unit is in standby state and the STANDBY indicator lights up red ;
3. Press POWER on the remote control, you can turn on the power of the system.

TURN OFF THE POWER

1. During the playback of the system , press POWER on the remote control to turn off the power , the system is in standby state and the STANDBY indicator on the AVC system and the DISPLAY unit lights up red ;
2. Press POWER on the AVC system to turn off the power of the AVC system ;
3. Press POWER to turn off the power of the DISPLAY unit, and the STANDBY indicator went out gradually.

Note: If you don't use this system for a long time, make sure unplug the AC power connector plug.

SIGNAL INPUT SELECTION

By pressing the VIDEO button on the remote control and confirming by the OK button, you can change the mode as follows:

TV ⟶ INTER DVD ⟶ VIDEO 1 ⟶ VIDEO 2 ⟶ VGA ⟶ HDMI/DVI

WATCHING TV

TURN ON THE POWER

1. Turn on the power of the AVC system after the power cable is connected .And the AVC system is in standby state ;
2. Press POWER on the DISPLAY unit and the DISPLAY unit is in standby state and the STANDBY indicator lights up red ;
3. Press POWER on the remote control, you can turn on the power of the system.

TURN OFF THE POWER

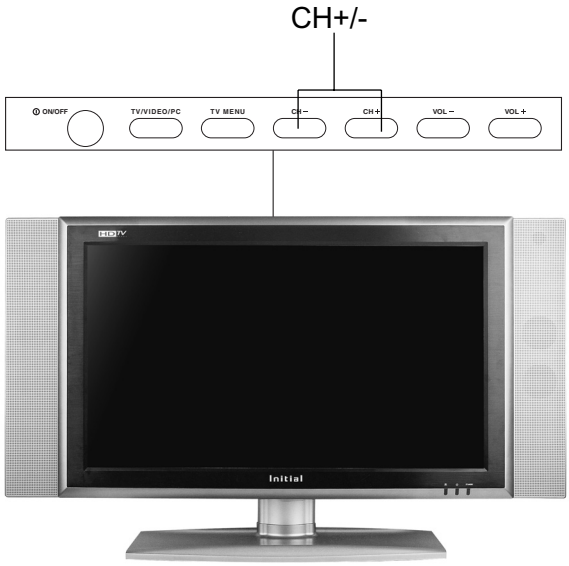
1. During the playback of the system , press POWER on the remote control to turn off the power , the system is in standby state and the STANDBY indicator on the AVC system and the DISPLAY unit lights up red ;
2. Press POWER on the AVC system to turn off the power of the AVC system ;
3. Press POWER to turn off the power of the DISPLAY unit, and the STANDBY indicator went out gradually.

Note: If you don't use this system for a long time, make sure unplug the AC power connector plug.

SIMPLE BUTTON OPERATIONS FOR CHANGING CHANNELS

You can change channels in several ways.

Using CH ∧/∨ on the remote unit

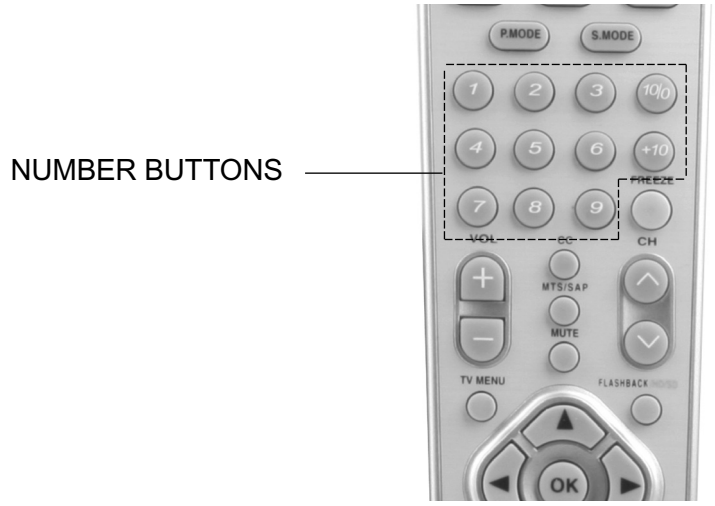


1. Press CH ∧ to increase channel number.
2. Press CH ∨ to decrease channel number.

NOTE: CH+/- on the TV set operates the same as CH ∧/∨ on the remote unit.
P ▲/ ▼ on the AVC system operates the same as CH ∧/∨ on the remote unit.

WATCHING TV

Using number buttons on the remote unit



Select the channels directly by pressing the number buttons.

EXAMPLE:

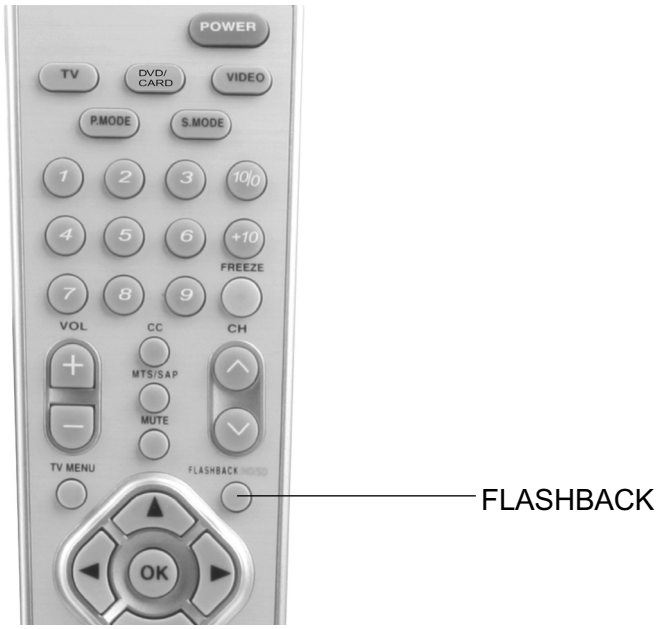
To select a 1-digit channel (e.g. channel 2):

- Press 2.

To select a 2-digit channel (e.g. channel 12):

- Press 1 ,followed by 2.

USING FLASHBACK ON THE REMOTE UNIT



Press FLASHBACK to switch the currently tuned channel to the previous tuned channel.

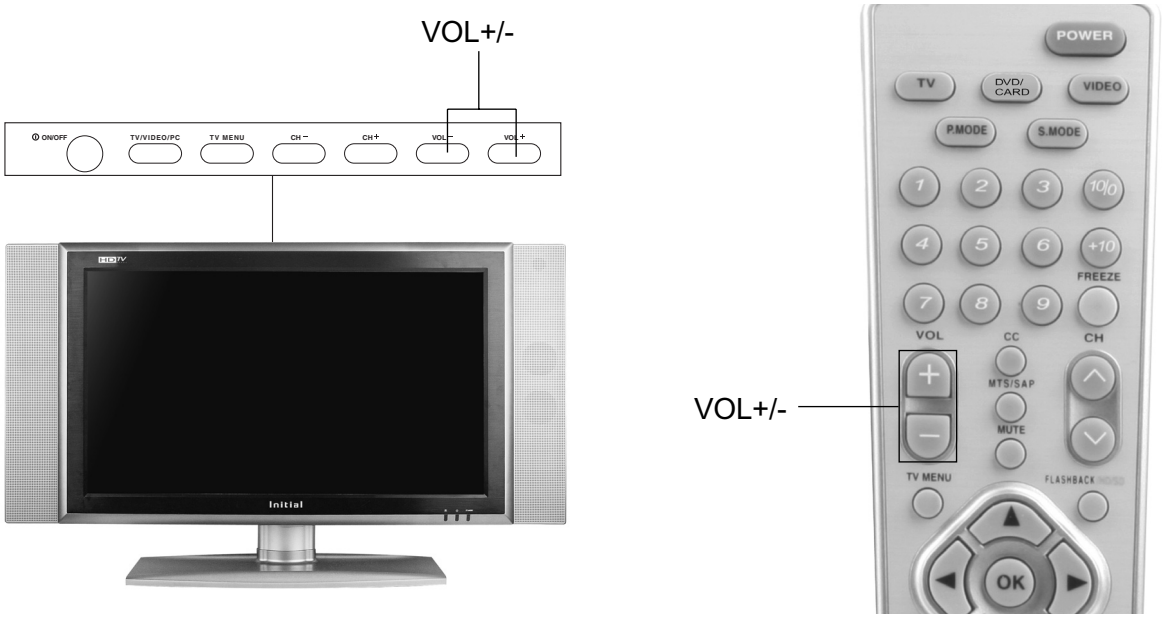
Press FLASHBACK again to switch back to the currently tuned channel.

WATCHING TV

SIMPLE BUTTON OPERATION FOR CHANGING VOLUME/SOUND

Changing the volume

You can change the volume by pressing VOL +/- button.



1. Press VOL+ to increase the volume.
2. Press VOL- to decrease the volume.

Using MUTE on the remote control

Press MUTE to mute the current sound output.

1. Press MUTE to remove the sound.
2. Press MUTE again to cancel the mute.

WATCHING TV

Setting MTS/SAP stereo mode

The System has a feature that allows reception of sound other than the main audio for the program. This feature is called Multi-channel Television Sound (MTS). The System with MTS can receive mono sound, stereo sound and Secondary Audio Programs (SAP). The SAP feature allows a TV station to broadcast other information, which could be audio in another language or something completely different like weather information.

You can enjoy Hi-Fi stereo sound or SAP broadcasts where available.

- **Stereo broadcasts**

View programs like live sporting events, shows and concerts in dynamic stereo sound.

- **SAP broadcasts**

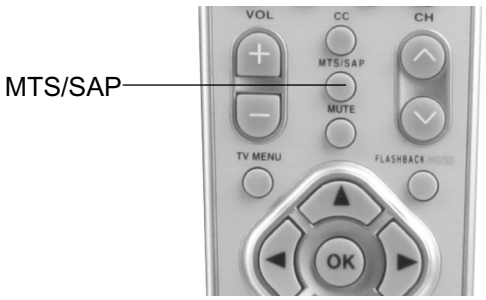
Receive TV broadcasts in either MAIN or SAP sound.
MAIN sound: The normal program soundtrack (either in mono or stereo).
SAP sound: Listen to second language, supplementary commentary and other information. (SAP is mono sound.)

If stereo sound is difficult to hear.

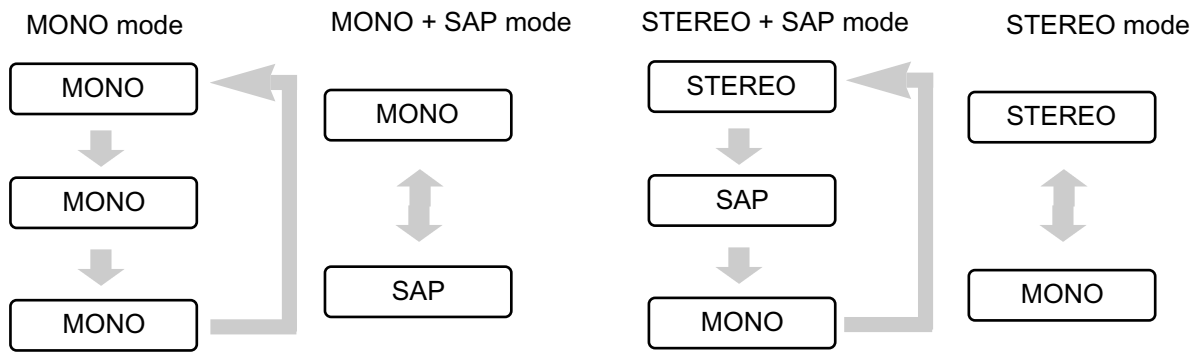
- Obtain a clearer sound by manually switching to fixed mono-sound mode.

Note

- Once MONO mode is selected, the sound remains mono even if the System receives a stereo broadcast. You must switch the mode back to STEREO if you want to hear stereo sound again.
- Selecting MTS while in the input mode does not change the type of sound. In this case, sound is determined by the video source.



Each time you press **MTS/SAP** , the screen toggles as shown below.



(The images display examples when receiving MTS and SAP.)

BASIC ADJUSTMENT SETTINGS

PICTURE ADJUSTMENT

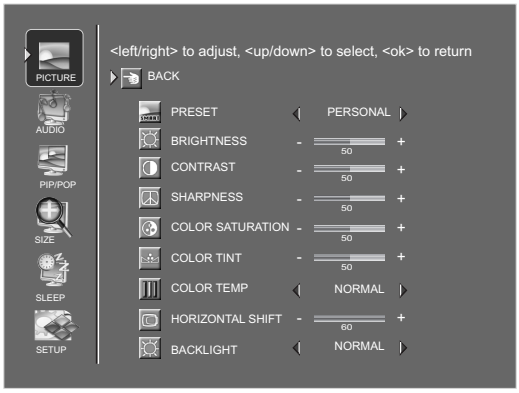
You can get the satisfied picture by adjusting the following picture setting menu.

Press the VIDEO button to select various signal modes.

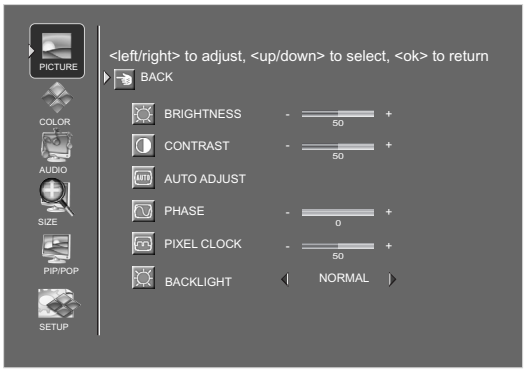
Press TV MENU to enter LCD menu.

Press▲/▼ to select "Picture", and then press ► to enter "Picture" menu.

Other Mode



PC Mode



Preset

1. Press ▲ / ▼ to select "Preset" in "Picture" menu.
2. Press ◄ / ► to select the Preset among: Personal, Movies, Sports, Weak Signal, and multimedia; press OK to return to the "Picture" menu.
3. Press TV MENU to exit.

Brightness

1. Press▲ /▼ to select brightness in Picture menu.
2. Press◄ /► to enter the brightness menu:
3. Press◄ /► to adjust the brightness ; press OK to return to the Picture menu.
4. Press TV MENU to exit .

Contrast

1. Press▲ /▼ to select "Contrast" in "Picture" menu.
2. Press◄ / ►to enter the contrast menu.
3. Press◄ / ►to adjust the contrast; press OK to return to the "Picture" menu.
4. Press TV MENU to exit.

Sharpness

1. Press▲ /▼ to select "Sharpness" in "Picture" menu.
2. Press◄ /► to enter the sharpness menu.
3. Press◄ /► to adjust the sharpness; press OK to return to the "Picture" menu.
4. Press TV MENU to exit.

BASIC ADJUSTMENT SETTINGS

PICTURE ADJUSTMENT(CONTIUED)

Color Saturation

1. Press ▲ / ▼ to select "Color Saturation" in "Picture" menu.
2. Press ◄ / ► to enter the color saturation menu.
3. Press ◄ / ► to adjust the color saturation; press OK to return to the "Picture" menu.
4. Press TV MENU to exit.

Note: In HDMI mode, "Color Saturation" is not available.

Color Tint

1. Press ▲ / ▼ to select "Color Tint" in "Picture" menu.
2. Press ◄ / ► to enter the color tint menu.
3. Press ◄ / ► to adjust the color tint; press OK to return to the "Picture" menu.
4. Press TV MENU to exit.

Note: In HDMI mode, "Color Tint" is not available.

Color Temperature

1. Press ▲ / ▼ to select "Color Temp" in "Picture" menu.
2. Press ◄ / ► to select a picture temperature among: Normal, Blue, Red, and Natural; press OK to return to the "Picture" menu.
3. Press TV MENU to exit.

Horizontal Shift

You can move the image to left and right and adjust it to the center of the screen.

1. Press ▲ / ▼ to select "Horizontal Shift" in "Picture" menu.
2. Press ◄ / ► to adjust the horizontal position of the displayed image.
3. Press OK to return and press TV MENU to exit.

Note: Horizontal is not available in HDMI mode.

Backlight

1. Press ▲ / ▼ to select "Backlight" in "Picture" menu.
2. Press ◄ / ► to select a backlight mode among: Normal, Bright, and Dark.
3. Press OK to return and press TV MENU to exit.

AUTO ADJUST (PC Mode)

1. Press ▲ / ▼ to select "Auto Adjust" in "Picture" menu.
2. Press ◄ / ► to activate the Auto Adjustment; also you can press PC-Auto button on the remote control to adjust.
3. There will display AUTO ADJUSTMENT IN PROGRESS... on the screen when you activate the AUTO ADJUST items.
4. When the AUTO ADJUSTMENT IN PROGRESS... disappeared, the Auto Adjustment has finished.

Phase (PC Mode)

1. Press ▲ / ▼ to select "Phase" in "Picture" menu; press ◄ / ► to enter the Phase menu.
2. Press ◄ / ► to adjust the Phase; press OK to return to the "Picture" menu.
3. Press TV MENU to exit.

Note: Phase is not available in HDMI/DVI mode.

PIXEL CLOCK (PC Mode)

1. Press ▲ / ▼ to select "Pixel Clock" in "Picture" menu; press ◄ / ► to enter the Pixel Clock menu.
2. Press ◄ / ► to adjust the Pixel Clock; press OK to return to the "Picture" menu.
3. Press TV MENU to exit.

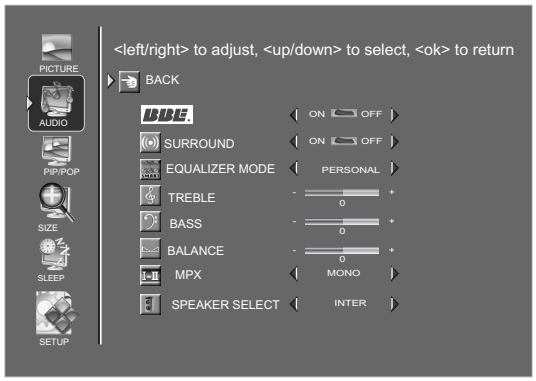
Note: Pixel Clock is not available in HDMI/DVI mode.

BASIC ADJUSTMENT SETTINGS

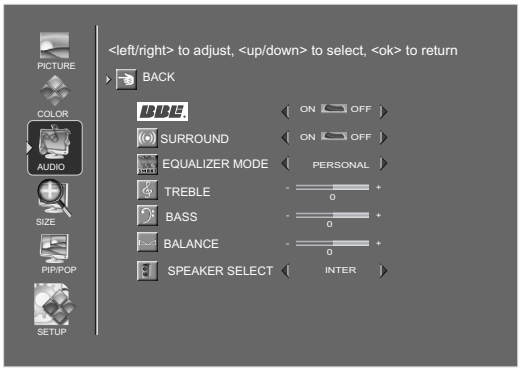
AUDIO ADJUSTMENT

Adjust the quality of the sound through the following audio settings.
Press the VIDEO button to select various signal modes.
Press TV MENU to enter LCD menu.
Press ▲ / ▼ to select "Audio", and then press ► to enter "Audio" menu.

Other Mode



PC Mode



BBE

1. Press ▲/ ▼to select "BBE" in "Audio" menu.
2. Press ◄/ ►to select a BBE mode between: Off and On; press OK to return to the "Audio" menu.
3. Press TV MENU to exit.

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Surround Mode

1. Press ▲/ ▼to select "Surround" in "Audio" menu.
2. Press ◄/ ►to select a surround mode between: Off and On; press OK to return to the "Audio" menu.
3. Press TV MENU to exit.

Equalizer Mode

1. Press ▲/ ▼to select "Equalizer Mode" in "Audio" menu.
2. Press ◄/ ►to select an equalizer mode among: Personal, Music, Theater, and News; press OK to return to the "Audio" menu.
3. Press TV MENU to exit.

Note: "Treble" and "Bass" are available when the "Equalizer Mode" is set to "personal".

Treble

1. Press ▲/ ▼to select "Treble" in "Audio" menu.
2. Press ◄/ ►to enter the treble menu.
3. Press ◄/ ►to adjust the treble; press OK to return to the "Audio" menu.
4. Press TV MENU to exit.

BASIC ADJUSTMENT SETTINGS

AUDIO ADJUSTMENT(CONTINUED)

Bass

1. Press ▲ / ▼ to select "Bass" in "Audio" menu.
2. Press ◄ / ► to enter the bass menu.
3. Press ◄ / ► to adjust the bass; press OK to return to the "Audio" menu.
4. Press TV MENU to exit.

Balance

1. Press ▲ / ▼ to select "Balance" in "Audio" menu.
2. Press ◄ / ► to enter the balance menu.
3. Press ◄ / ► to adjust the balance; press OK to return to the "Audio" menu.
4. Press TV MENU to exit.

MPX (TV Mode)

This function is to select a MPX mode.

1. Press TV MENU to bring up the TV menu screen.
2. Press ▲ / ▼ to select ''MPX'' in Audio menu.
3. Press ◄ / ► to select a MPX mode.
   ①When mono TV signal is received, only mono is available.
   ②Mono + SAP mode
   Press ◄ / ► to shift between: mono and sap .
   ③Stereo mode
   Press ◄ / ► to shift between: stereo and mono .
   ④Stereo + SAP mode
   Press ◄ / ► to shift among: mono , stereo and sap .
5. Press OK to return; press TV MENU to exit.

Speaker Select

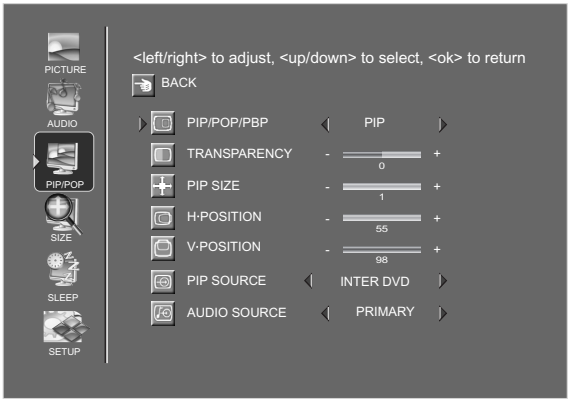
1. Press ▲ / ▼ to select "Speaker Select" in "Audio" menu.
2. Press ◄ / ► to select speaker between: Inter and Extern; press OK to return to the "Audio" menu.
3. Press TV MENU to exit.

BASIC ADJUSTMENT SETTINGS

PIP/POP ADJUSTMENT

Use to adjust the items of P&P functions.
Press the VIDEO button to select various signal modes.
Press TV MENU to enter LCD menu.
Press ▲ / ▼ to select "PIP/POP", and then press ► to enter "PIP/POP" menu.

Other Mode



PIP/POP/PBP

1. Press ▲ /▼ to select "PIP/POP/PBP" in "PIP/POP" menu.
2. Press ◄ / ► to select a PIP/POP/PBP mode among: Single, PIP, POP, and PBP (the picture above shows the items when PIP is selected); press OK to return to the "PIP/POP" menu.
3. Press TV MENU to exit.

Transparency

1. Press ▲ /▼ to select "Transparency" in "PIP/POP" menu.
2. Press ◄ / ► to enter the transparency menu.
3. Press ◄ / ► to adjust the transparency of the secondary picture; press OK to return to the "PIP/POP" menu.
4. Press TV MENU to exit.

PIP Size

1. Press ▲ /▼ to select "PIP Size" in "PIP/POP" menu.
2. Press ◄ / ► to enter the pip size menu.
3. Press ◄ / ► to adjust the size of the secondary picture; press OK to return to the "PIP/POP" menu.
4. Press TV MENU to exit.

H · Position

You can move the secondary picture to left and right on the screen.

1. Press ▲ / ▼ to select "H · Position" in "PIP/POP" menu.

2. Press ◄ / ► to adjust the horizontal position of the secondary picture.
3. Press OK to return and press TV MENU to exit.

V · Position

You can move the secondary picture to up and down on the screen.

1. Press ▲ / ▼ to select "V · Position" in "PIP/POP" menu.
2. Press ◄ / ► to adjust the vertical position of the secondary picture.
3. Press OK to return and press TV MENU to exit.

PIP Source

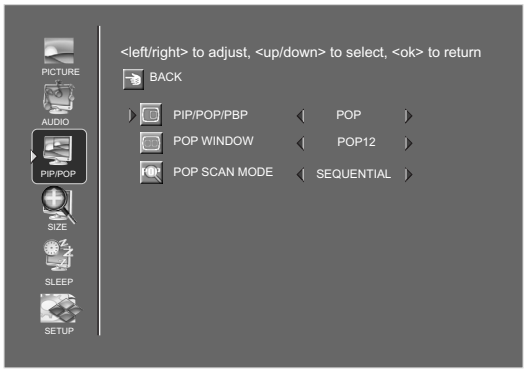
1. Press ▲ / ▼ to select "PIP Source" in "PIP/POP" menu.
2. Press ◄ / ► to select the PIP source among: TV, VIDEO1, VIDEO2, INTER DVD, and VGA; press OK to return to the "PIP/POP" menu.
3. Press TV MENU to exit.

Audio Source

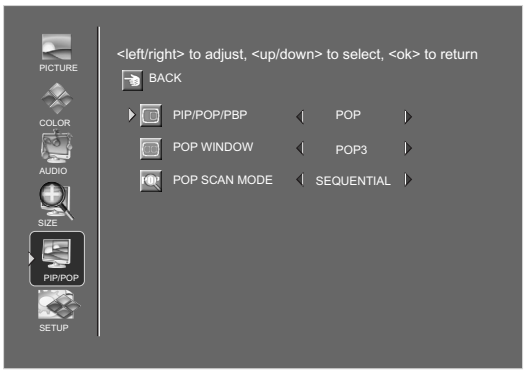
1. Press ▲ / ▼ to select "Audio Source" in "PIP/POP" menu.
2. Press ◄ / ► to select the audio source between Primary and Secondary; press OK to return to the "PIP/POP" menu.
3. Press TV MENU to exit.

When the PIP/POP/PBP mode is set to "POP", the following screen will be displayed:

Other Mode



PC Mode



POP Window

1. Press ▲ / ▼ to select "POP Window" in "PIP/POP" menu.
2. Press ◄ / ► to select the POP window mode among: POP1, POP3, and POP12; press OK to return to the "PIP/POP" menu.
3. Press TV MENU to exit.

BASIC ADJUSTMENT SETTINGS

POP Scan Mode

1. Press▲ /▼ to select "POP Scan Mode" in "PIP/POP" menu.
2. Press◄ /► to select the POP scan mode between Sequential and Fixed:
   (1) Sequential: In POP3 or POP12 mode, the TV program of the secondary picture being displayed in TV channel number order (1, 2,3,4 .....).
   (2) Fixed: In POP3 or POP12, only three or twelve fixed TV program displayed on the screen.
   Note: When the POP WINDOW is set to POP1 , POP scan mode is not available.
3. Press OK to return to the "PIP/POP" menu, press TV MENU to exit.

Audio Source

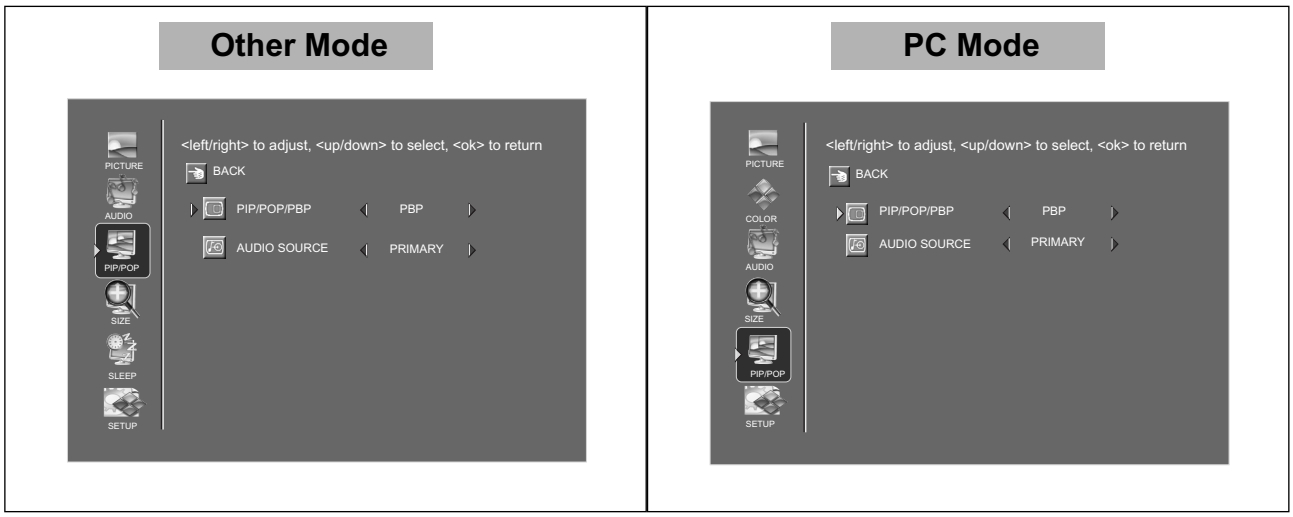
Press▲ /▼ to select Audio Source , then press ◄/ ►to select the audio source between primary and secondary.

(1) Primary: the audio source is from the primary audio .

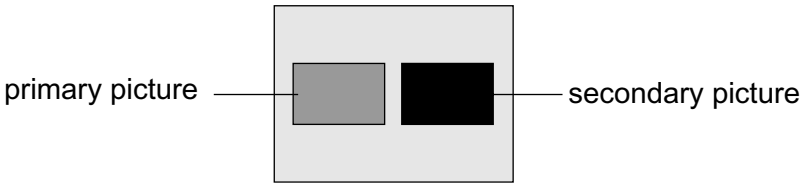
(2) Secondary: the audio source is from the secondary audio .

Note: When POP WINDOW is set to POP3 , POP12 , audio source is not available, only primary audio output.

When the PIP/POP/PBP mode is set to "PBP", the following screen will be displayed:



A. There will be two same-sized pictures displayed on the screen when the PIP/POP/PBP mode is set to PBP .



B. Audio Source

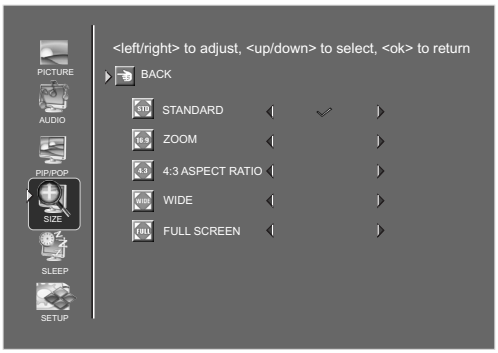
1. Press▲ /▼ to select Audio Source in PBP menu.
2. Press◄ /► to select the audio source between primary and secondary.
3. Press OK to return to the PIP/POP menu, press TV MENU to exit.

BASIC ADJUSTMENT SETTINGS

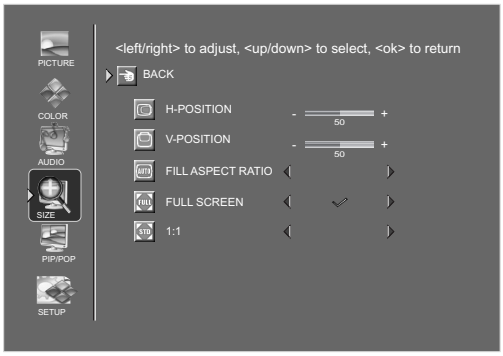
SIZE ADJUSTMENT

Use to adjust display mode of the playback picture.
Press the VIDEO button to select various signal modes.
Press TV MENU to enter LCD menu.
Press ▲ /▼ to select "Size", and then press ► to enter "Size" menu.

Other Mode



PC Mode



Standard

1. Press ▲ /▼ to select "Standard" in "Size" menu.
2. Press ◄ / ► to select "Standard" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

Zoom

1. Press ▲ /▼ to select "Zoom" in "Size" menu.
2. Press ◄ / ► to select "Zoom" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

4:3 Aspect Ratio

1. Press ▲ /▼ to select "4:3 Aspect Ratio" in "Size" menu.
2. Press ◄ / ► to select "4:3 Aspect Ratio" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

Wide

1. Press ▲ /▼ to select "Wide" in "Size" menu.
2. Press ◄ / ► to select "Wide" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

Full Screen

1. Press ▲ /▼ to select "Full Screen" in "Size" menu.
2. Press ◄ / ► to select "Full Screen" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

BASIC ADJUSTMENT SETTINGS

SIZE ADJUSTMENT

H-Position

You can move the PC picture to left and right on the screen.

1. Press▲ /▼ to select "H-Position" in "SIZE" menu.
2. Press ◄/ ►to adjust the horizontal position of the PC picture.
3. Press OK to return and press TV MENU to exit.

V-Position

You can move the PC picture to up and down on the screen.

1. Press▲ /▼ to select "V-Position" in "SIZE" menu.
2. Press◄ / ► to adjust the vertical position of the PC picture.
3. Press OK to return and press TV MENU to exit.

Fill Aspect Ratio

1. Press▲ /▼ to select "Fill Aspect Ratio" in "SIZE" menu.
2. Press◄ / ► to select "Fill Aspect Ratio" as the display mode or not.
3. Press OK to return and press TV MENU to exit.

Full Screen

1. Press▲ /▼ to select "Full Screen" in "Size" menu.
2. Press◄ / ► to select "Full Screen" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

1:1

It shows that the image input will be the original signal aspect ratio.

1. Press ▲ / ▼ to select "1:1" in "Size" menu.
2. Press◄ / ► to select "1:1" as the display mode or not; press OK to return to the "Size" menu.
3. Press TV MENU to exit.

Note: In PIP mode, the PIP source is VGA. And you select VGA window by pressing P.SELECT , press TV MENU to open the menu, then 1:1 is not available in SIZE menu.

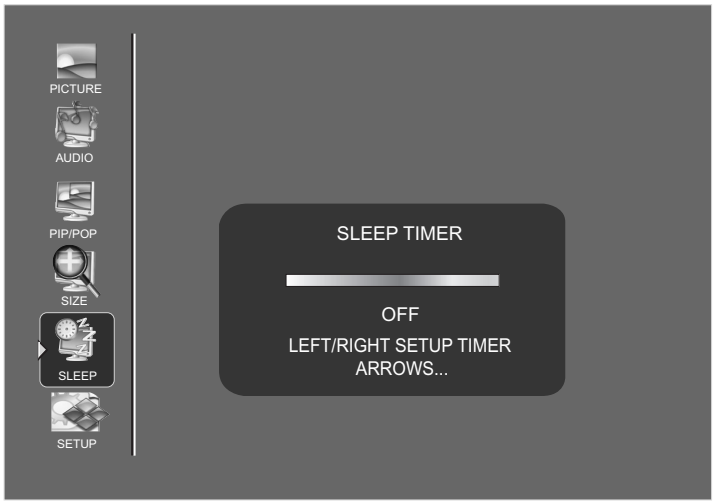
Note: In DVI mode, only Fill Aspect Ratio , Full screen and 1:1 are available.

BASIC ADJUSTMENT SETTINGS

SLEEP ADJUSTMENT

Use to set the sleep timer.

1. Press the VIDEO button to select various signal modes.
2. Press TV MENU to enter LCD menu.
3. Press ▲/ ▼ to select "Sleep", press ► to enter the sleep timer.
4. Press ◄/ ►to set the sleep timer among: OFF, 10 minute, 20 minute, 30 minute, 60 minute, 120 minute, and 180 minute; press OK to return to the LCD menu.
5. Press TV MENU to exit.



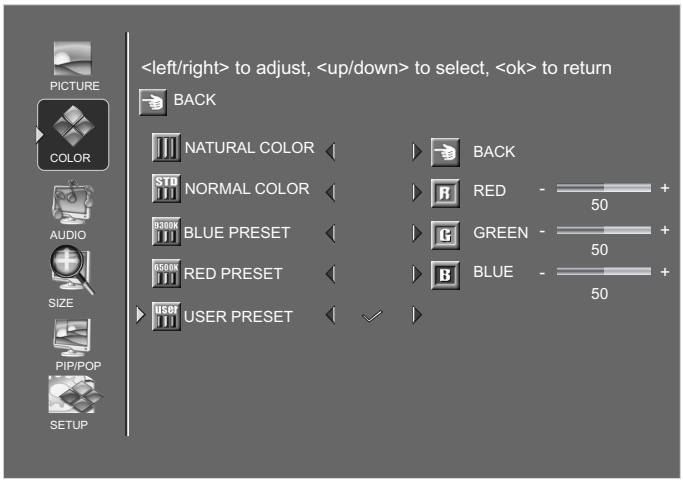
COLOR ADJUSTMENT (PC MODE)

- Press VIDEO to select the VGA input signal source.
- Press TV MENU to enter LCD menu.
- Press▲/ ▼ to select "Color", then press ► to enter "Color" menu.

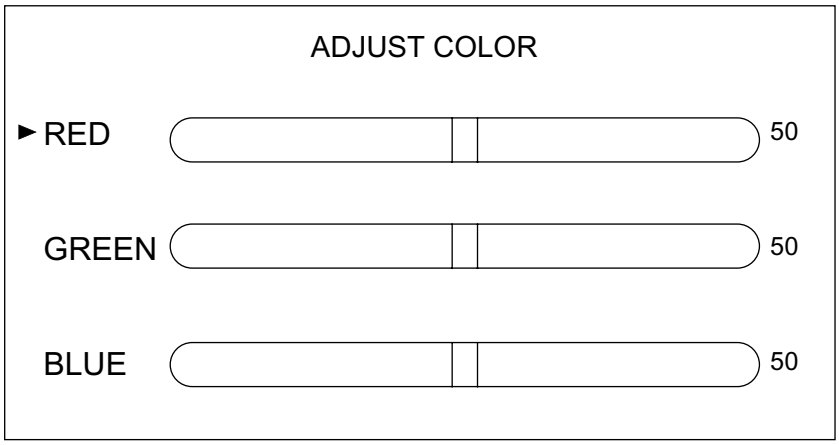
1. Press▲/ ▼to select among: natural color, normal color, Blue preset, Red preset and user preset.
2. Press OK to return to the setup menu.
3. Press▲/ ▼ to select user preset , then press ►to enter the user preset menu.

BASIC ADJUSTMENT SETTINGS

COLOR ADJUSTMENT (PC MODE)



4. Press▲/▼to select Red , then press◄/ ►to enter Adjust Color menu.



a. Press▲/ ▼to select red, green or blue, then press◄/ ►to adjust:
Red: Press ◄to decrease the red, press ► to increase the red;
Green: Press ◄ to decrease the green, press►to increase the green;
Blue: Press ◄ to decrease the blue, press ► to increase the blue.

b. Press OK to return to the user preset menu.

5. Press OK to return to the color menu , press TV MENU to exit.

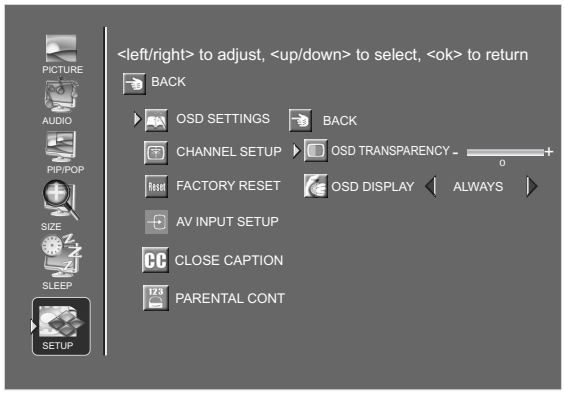
ADVANCED ADJUSTMENT SETTINGS

You can use the "Setup" in LCD menu to make some change on OSD, Channel, Language, and etc.

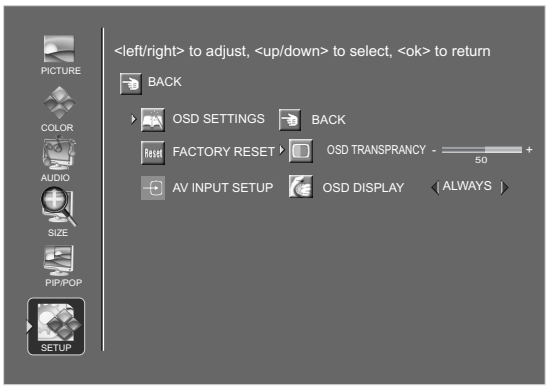
OSD SETTINGS

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select "Setup", and then press ► to enter "Setup" menu.
3. Press ▲ / ▼ to select "OSD Settings", and then press ► to enter "OSD Settings" menu.

Other Mode



PC Mode



OSD Transparency

1. Press ▲ /▼ to select "OSD Transparency" in "OSD Settings" menu.
2. Press ◄ / ► to adjust the OSD transparency.
3. Press OK to return to the "Setup" menu; press TV MENU to exit.

OSD Display

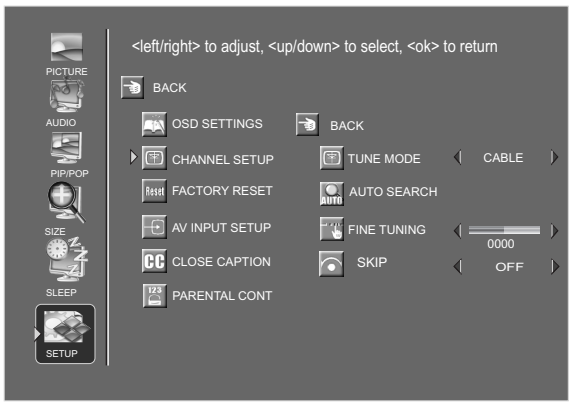
1. Press ▲ /▼ to select "OSD Display" in "OSD Settings" menu.
2. Press ◄ / ► to adjust the OSD Display.
3. Press OK to return to the "Setup" menu; press TV MENU to exit.

CHANNEL SETUP (ONLY TV MODE)

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select "Setup", and then press ► to enter "Setup" menu.
3. Press ▲ / ▼ to select "Channel Setup", and then press ► to enter "Channel Setup" menu.

ADVANCED ADJUSTMENT SETTINGS

TV Mode

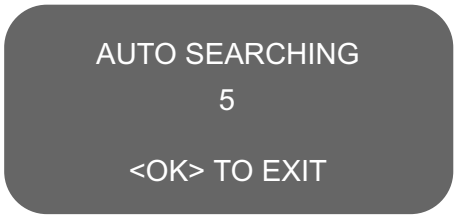


Tune mode

1. Press ▲ /▼ to select "Tune mode" in "Channel Setup" menu.
2. Press ◄ / ► to select the tune mode between Cable and Antenna.
3. Press OK to return to the "Setup" menu; press TV MENU to exit.

Auto Search

1. Press ▲ /▼ to select "Auto Search" in "Channel Setup" menu.
2. Press ► to activate auto search.



3. This unit will search and memorize all channels viewable automatically in your area.
4. The unit will skip to the first channel to play when the auto search ends.

Fine Tuning

If the image of TV channel is not clear, you can press ◄ / ► to adjust to your preferences.

1. Press CH∧/∨ or number buttons to select the channel you want to set.
2. Press ▲ / ▼ to select "Fine Tuning" in "Channel Setup" menu.
3. Press ◄ / ► to enter Fine Tuning menu, press ◄/ ► to adjust.

4. Press OK to return to "Channel Setup" menu; press TV MENU to exit.

ADVANCED ADJUSTMENT SETTINGS

Skip

If you have set the "Skip" of one channel to "ON", then when you pressing CH∧/∨ and this channel will be skipped.

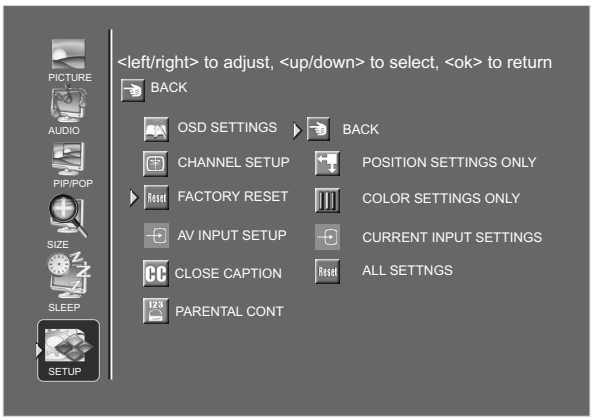
1. Press CH∧/∨ or the number buttons on the remote control to select the channel you want to set.
2. Press ▲ / ▼ to select "Skip" in "Channel Setup" menu.
3. Press ◄ / ► to select "On" or "Off":
   ON: the current channel skip function is on.
   OFF: the current channel skip function is off.
4. EXAMPLE
   If the current channel is 8, and you have set the "skip" to "ON", when you exit the settings, the channel 8 will be skipped when you select channel.
   Press number 8 on the remote control directly if you want to watch the TV program of the channel 8.
   If you want to cancel the channel skip function of channel 8, select channel 8 and press TV MENU to enter LCD menu, then set the channel skip to "OFF".
5. Press OK to return to "Channel Setup" menu; press TV MENU to exit.

ADVANCED ADJUSTMENT SETTINGS

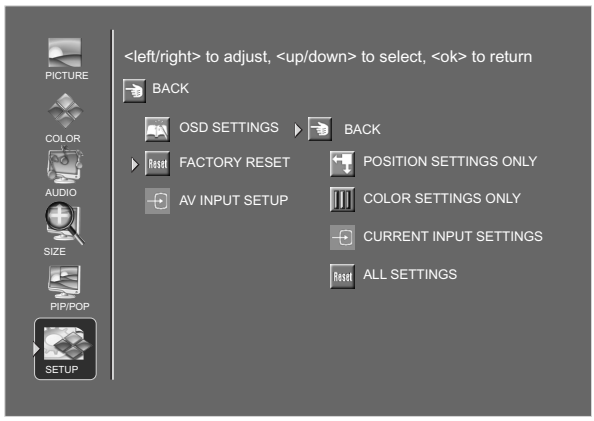
FACTORY RESET

1. Press TV MENU to enter LCD menu.
2. Press ▲/▼ to select "Setup", and then press ► to enter "Setup" menu.
3. Press ▲/▼ to select "Factory Reset", and then press ► to enter "Factory Reset" menu.

Other Mode



PC Mode



4. Press ▲/▼ to select a reset item (Position settings only, Color settings only, Current input settings, All settings) in "Factory Reset" menu, and then press ►to confirm.

Position Settings Only

a. Press ▲/▼ to select position settings only in factory reset menu.
b. Press ◄/► to confirm, then the value of horizontal shift in picture menu will be reset.

Color Settings Only

a. Press ▲/▼ to select Color settings only in factory reset menu.
b. Press ◄/► to confirm, then Color Temp in picture menu will be reset.

Current Input Settings

a. Press ▲/▼ to select Current Input Settings in factory reset menu.
b. Press ◄/► to confirm, then it will reset the current input settings.

All Settings

a. Press ▲/▼ to select All Settings in factory reset menu.
b. Press ◄/► to confirm, then it will reset all settings.

Note: When you reset the ALL SETTINGS , you must turn off the unit and then turn on the unit, all settings will be returned to its original state after performing various operations. At this time, you must search the TV program again.

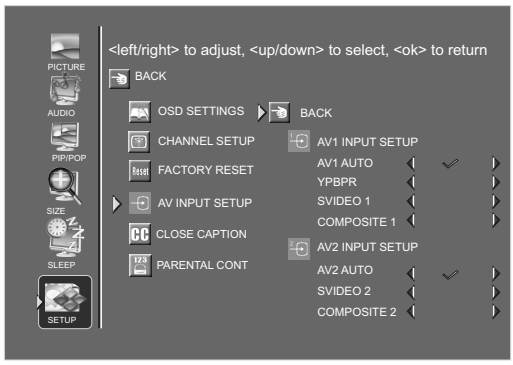
5. Press OK to return to the "Setup" menu.

ADVANCED ADJUSTMENT SETTINGS

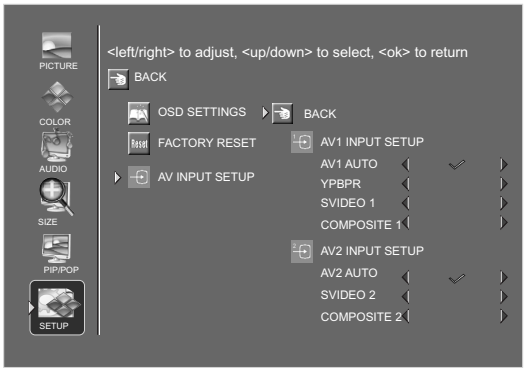
AV INPUT SETUP

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select "Setup", and then press ► to enter "Setup" menu.
3. Press ▲ / ▼ to select "AV Input Setup", and then press ► to enter "AV Input Setup" menu.

Other Mode



PC Mode



AV1 Input Setup

Use to select AV1 input source.

1. Press ▲ / ▼ to select "AV1 Input Setup" in "AV Input Setup" menu.
2. Press ▲ / ▼ to select an input source item (AV1 Auto, YPBPR, SVIDEO1, Composite1), and press ◄/ ►to set the item as the input source or not.
3. Press OK to return to the "Setup" menu.

AV2 Input Setup

Use to select AV2 input source.

1. Press ▲ / ▼ to select "AV2 Input Setup" in "AV Input Setup" menu.
2. Press ▲ / ▼ to select an input source item (AV2 Auto, SVIDEO2, Composite2), and press ◄ / ► to set the item as the input source or not.
3. Press OK to return to the "Setup" menu.

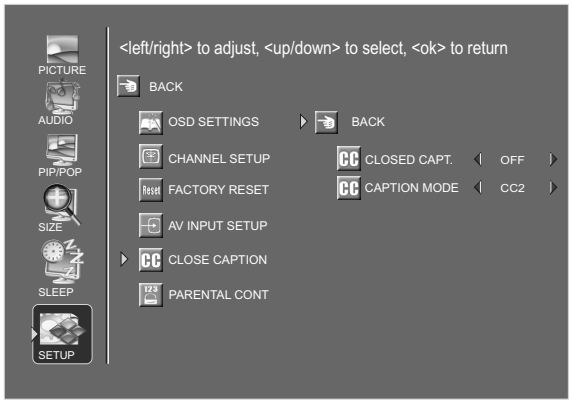
ADVANCED ADJUSTMENT SETTINGS

You system is equipped with an internal closed caption decorder close caption is the system which allow you to view conversations, narration, and sound effects in TV programs and home videos as subtitles on your display.
Note: Only in primary window, the close caption is available.

CLOSE CAPTION

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select "Setup", and then press ► to enter "Setup" menu.
3. Press ▲ / ▼ to select "Close Caption", and then press ► to enter "Close Caption" menu.

TV/VIDEO1/VIDEO2 Mode



Closed Caption

1. Press ▲ / ▼ to select "Closed CAPT." In " Close Caption " menu .
2. Press ◄ / ► to select the closed caption among : OFF, ON and CC mute. Also you can press CC button on remote control to select .
   OFF: No caption appear.
   ON: The screen displays caption.
   CC mute : When you are enjoying TV program, select CC mute in Close Caption menu, exit TV menu.Then press MUTE button to remove the sound, and then the caption will be appeared.
3. Press OK to return to the previous menu; press TV MENU to exit.

Caption Mode

1. Press ▲ / ▼ to select "Caption Mode" In " Close Caption " menu .
2. Press ◄ / ► to select the close caption among : CC1, CC2, CC3, CC4, TXT1, TXT2, TXT3, TXT4.
3. Press OK to return to the previous menu; press TV MENU to exit.

ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL

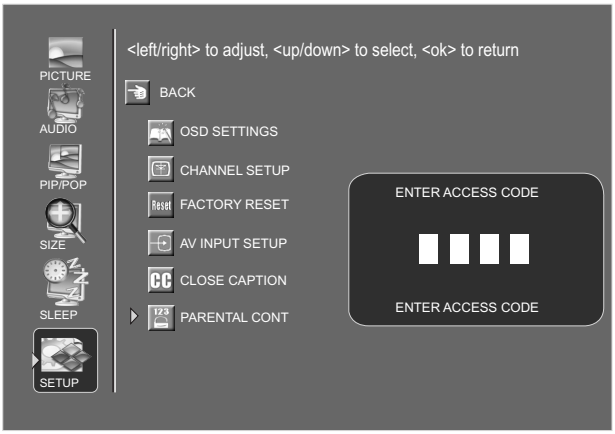
1. Press TV MENU to enter LCD menu.
2. Press ▲/▼ to select "Setup", and then press ► to enter "Setup" menu.
3. Press ▲/▼ to select "Parental Cont", and then press ► to enter "Parental Cont" menu.

TV/VIDEO1/VIDEO2 Mode

ACCESS CODE

1. Press ▼ to select "Access Code" , and then press ◄/► to confirm, it will be display as follows:

TV/VIDEO1/VIDEO2 Mode



2. Enter your 4-digit access code with number buttons.

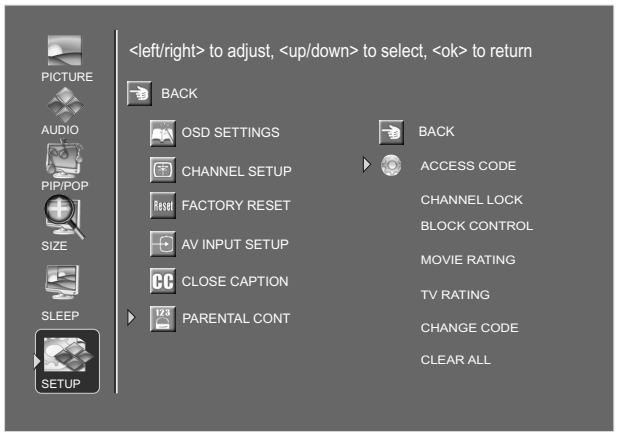
Note: The access code is automatically factory set to 3355.

Once you enter the access code, it will be display the following menu.

ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL (CONTINUED)

TV/VIDEO1/VIDEO2 Mode



Note: Those items under the "Access code " will not be selectable from the menu if you not first enter your access code.

3. Press OK to return to the previous menu; press TV MENU to exit.

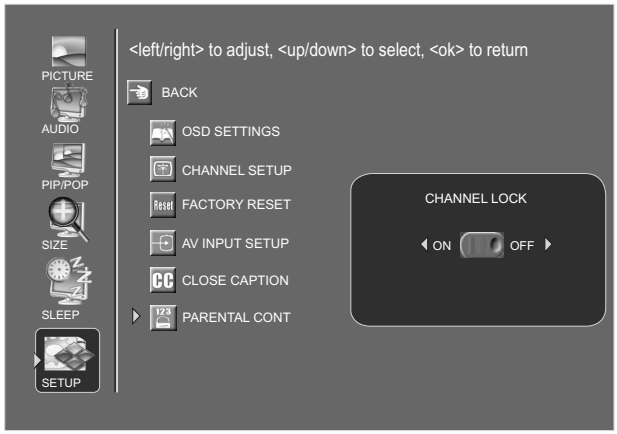
CHANNEL LOCK (available in TV mode)

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select " Setup " , and then press ► to enter " Setup " menu.
3. Press ▲ / ▼ to select " Parental Cont" , and then press ► to enter " Parental Cont" menu.

● Parental control setting menu displays only when "access code " is set.

4. Enter your 4-digit access code with number buttons when you enter into access code menu.
5. Press ▲ / ▼ to select " Channel Lock" , then press ◄ / ► to confirm, its menu displays as follows:

TV/VIDEO1/VIDEO2 Mode



6. Press ◄ / ► to set the " Channel Lock " to "ON" or "OFF".
   ON : the function of "Channel Control " is on, and the channel in which the TV program being played is locked, it will appear blank screen .
   OFF: the function of " Channel Control " is off. And TV program resume to playback.
7. Press OK to return to the previous menu; press TV MENU to exit.

Note: If you set the Channel Lock to ON , the screen will display CHANNEL IS LOCKED... when you exit the TV menu.

ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL (CONTINUED)

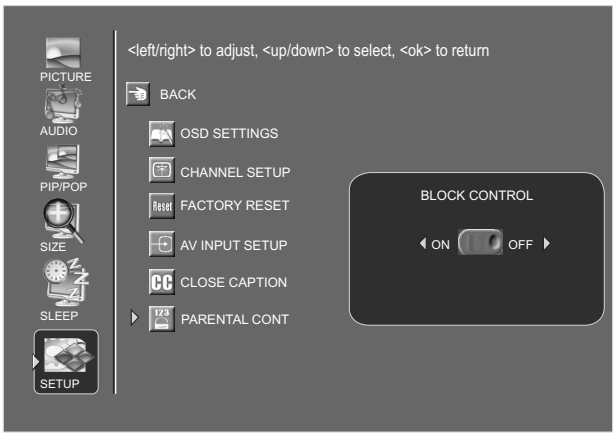
Block Control

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select " Setup " , and then press ► to enter " Setup " menu .
3. Press ▲ / ▼ to select " Parental Cont" , and then press ► to enter " Parental Cont" menu .

● Parental control setting menu displays only when " access code " is set.

4. Enter your 4-digit access code with number buttons when you enter into access code menu.
5. Press ▲ / ▼ to select " Block Control", and then press ◄ / ► to confirm, its menu displays as follows:

TV/VIDEO1/VIDEO2 Mode



6. Press ◄ / ► to set the " Block Control" to "ON" or "OFF" .
   ON: the function of "Block Control " is on, and the settings made in "Movie rating" and " TV Rating " will work.
   OFF: the function of "Block Control " is off .
7. Press OK to return to the previous menu; press TV MENU to exit.

ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL (CONTINUED)

The U.S. has two rating system for viewing content: movie ratings and TV ratings . And this unit equipped with movie rating and TV rating in Parental Cont menu .This tool gives parents a great degree of control over broadcasts accessed by their children. It allows parents to select program judged suitable for child viewing while blocking ones judged not suitable.

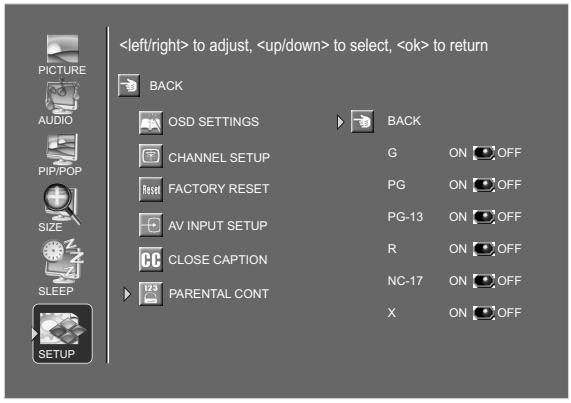
MOVIE RATING

1. Press TV MENU to enter LCD menu.
2. Press ▲/▼ to select " Setup " , and then press ►to enter " Setup " menu.
3. Press ▲/▼ to select " Parental Cont", and then press ►to enter " Parental Cont" menu.

● Parental control setting menu displays only when "access code " is set.

4. Enter your 4-digit access code with number buttons when you enter into access code menu.
5. Press ▲/ ▼to select " Movie Rating", and then press◄ /► to confirm, its menu displays as follows:

TV/VIDEO1/VIDEO2 Mode



6. Press ▲/▼ to select the desired item , and then press◄ /► to select "ON" or OFF .

● If " Block Control " is not set to " ON ", the settings made in movie rating will not work.
ON: The rating you selected is blocked.
OFF: Cancle the block.

7. Press OK to return to the previous menu; press TV MENU to exit .

Note: If you select " PG", this will automatically block the higher ratings "PG-13", "R", "NC-17" and "X".

Rating		Description
Age	G	General audiences. All ages admitted.
	PG	Parental guidance suggested. Some material may not be suitable for children.
	PG-13	Parents strongly cautioned. Some material may be inappropriate for children under 13.
	R	Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some jurisdictions).
	NC-17	No one 17 and under admitted.
	X	A rating that has now been superseded by NC-17.

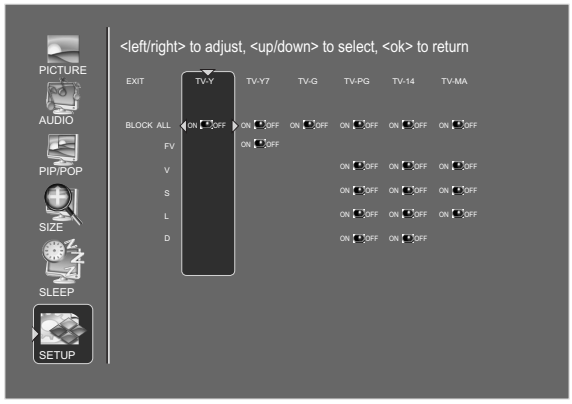
ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL (CONTINUED)

TV RATING

1. Press [TV MENU] to enter LCD menu.
2. Press ▲ / ▼ to select " Setup " , and then press ► to enter " Setup " menu.
3. Press ▲ / ▼ to select " Parental Cont" , and then press ► to enter " Parental Cont" menu.
- Parental control setting menu displays only when " access code " is set.
4. Enter your 4-digit access code with number buttons when you enter into access code menu.
5. Press ▲ / ▼ to select "TV Rating" , and then press ◄ / ► to enter into its menu.
6. Press ◄ / ► to select your desired items, its menu displays as follows:

TV/VIDEO1/VIDEO2 Mode



7. Press ▲ / ▼ to select the desired item , and then press ◄ / ► to select "ON" or OFF .
- If " Block Control " is not set to " ON ", the settings made in TV rating will not work.
  ON: The rating you selected is blocked.
  OFF: Cancle the block.

Example: As you want to select TV-14 to set, please follow the operations as below:

a. When you enter into the TV Rating menu, EXIT is highlighted, press ◄ / ► to select TV-14.
b. Press ▲ / ▼ to select your desired items under TV-14, and then press ◄ to select on to block.
c. Press ▲ / ▼ to select TV-14, and then press ◄ / ► to select other items to set.

8. Press [OK] or [TV MENU] to exit.

TV Rating

Rating		Content					
		Block All	FV (Fantasy violence)	V (Violence)	S (Sexual situation)	L (Adult language)	D (Sexually suggestive dialog)
Suggested age	TV-Y (All children)	X					
	TV-Y7 (Directed to older children)	X	X				
	TV-G (General audience)	X					
	TV-PG (Parental Guidance suggested)	X		X	X	X	X
	TV-14 (Parents strongly cautioned)	X		X	X	X	X
	TV-MA (Mature audience only)	X		X	X	X	

X: Content rating can be set.

ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL (CONTINUED)

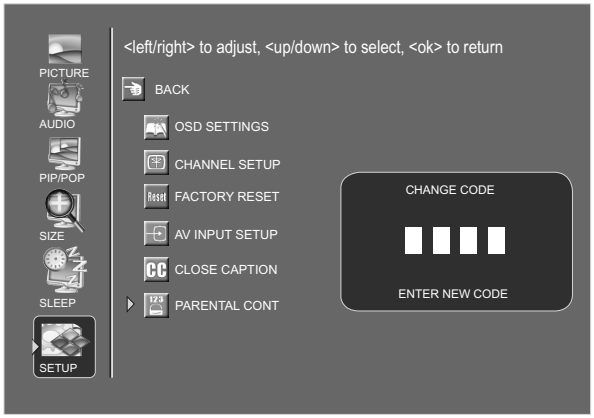
CHANGE CODE

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select " Setup " , and then press ► to enter " Setup " menu .
3. Press ▲ / ▼ to select " Parental Cont", and then press ► to enter " Parental Cont" menu .

- Parental control setting menu displays only when "access code " is set.

4. Enter your 4-digit access code with number buttons when you enter into access code menu.
5. Press ▲ / ▼ to select "Change Code" , and then press ◄ / ►to confirm , its menu displays as follows:

TV/VIDEO1/VIDEO2 Mode



6. Enter your new code according to the screen, then it will return to the previous menu.
7. Press OK to return to the previous menu; press TV MENU to exit.

Note: When you enter access code menu, you can enter your new code to enter into the parental cont menu. Also you can enter the original code 3355 if you forget your new code.

ADVANCED ADJUSTMENT SETTINGS

PARENTAL CONTROL (CONTINUED)

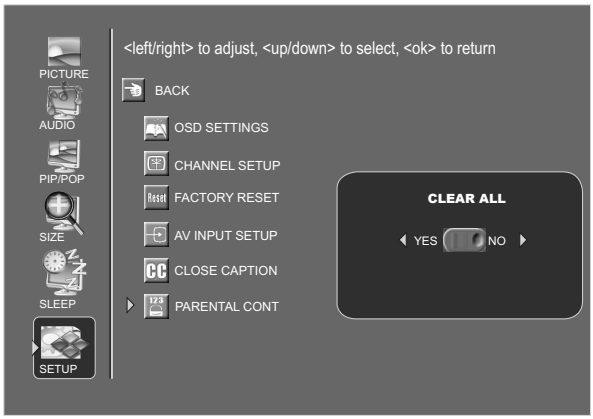
CLEAR ALL

1. Press TV MENU to enter LCD menu.
2. Press ▲ / ▼ to select " Setup " , and then press ► to enter " Setup " menu.
3. Press ▲ / ▼ to select " Parental Cont" , and then press ►to enter " Parental Cont" menu.

● Parental control setting menu displays only when " access code " is set.

4. Enter your 4-digit access code with number buttons when you enter into access code menu.
5. Press ▲ / ▼ to select "Clear All" , and then press ◄ / ►to confirm, its menu displays as follows:

TV/VIDEO1/VIDEO2 Mode



6. Press ◄ / ►to set the " Clear All" to "YES" or "NO" .

Yes: Clear the settings made in Channel Lock , Block Control , Movie Rating ,and TV Rating . That is to say, all block is automatically set to OFF .

No: It will not clear the settings.

7. Press OK to return to the previous menu; press TV MENU to exit.

WINDOW ADJUSTMENT

In PC mode you have to set the Windows system firstly as below.

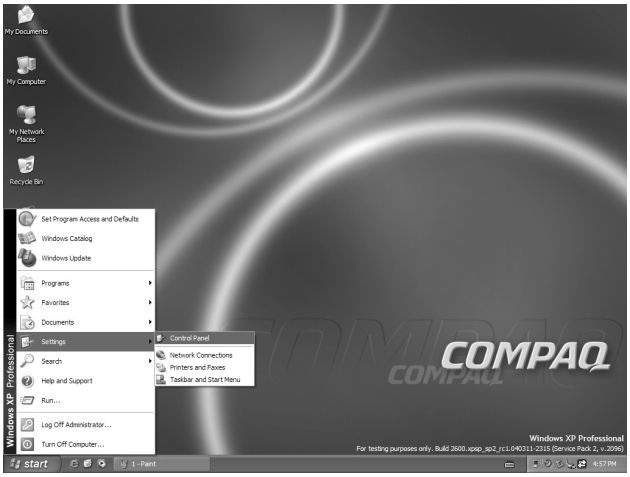
	Resolution	Freq. (Hz)
VGA	640×480 640×480 640×480	60 72 75
SVGA	800×600 800×600 800×600	60 75 72
XGA	1024×768 1024×768 1024×768	60 70 75
WXGA	1280×768	60
SXGA	1280×1024	60

NOTE: In case of inputting the PC signal format out of range , this unit will appear blank screen phenomenon.

Setup your PC software…

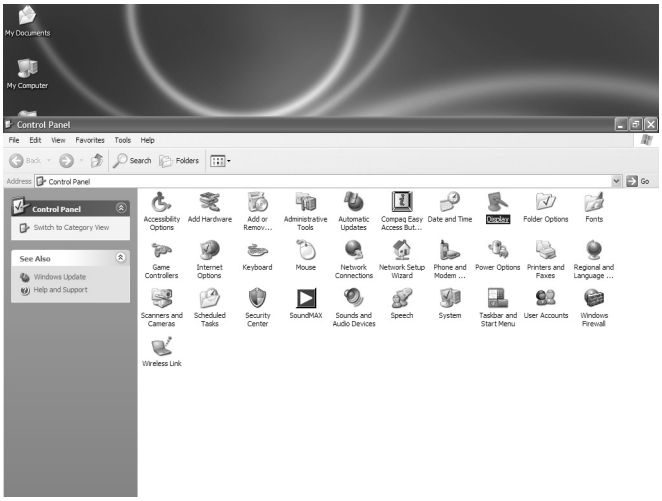
Even if your actual display-setting screen looks different from the windows below, basic setup methods will be applied in most of the case.

1. First, click on "Setting" on the Windows Start menu .While "Setting" is selected , move the cursor to submenu "Control panel".

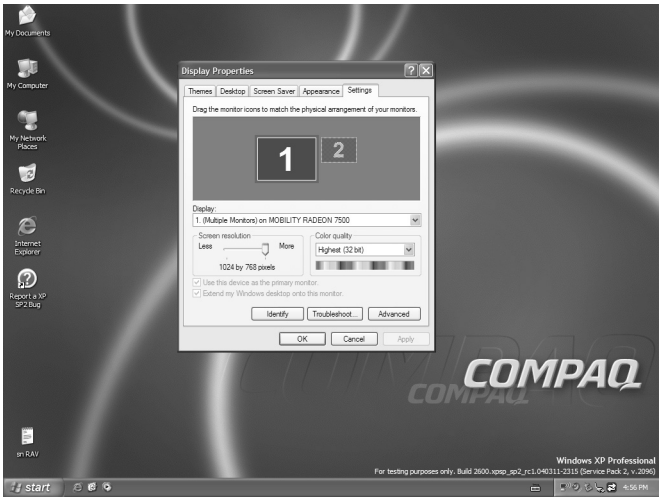


WINDOW ADJUSTMENT

2. Click on "Control panel", the control panel screen appears.



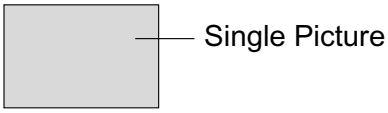
3. Double click on "Display" and a display dialog box displays.
4. Navigate to the "Setting " tab on the display dialog box .Set the "Screen resolution" to "1280 × 768 pixel".
5. Select the screen refresh rate of your PC. (if the resolution is "1280 × 768 pixel", the screen refresh rate: 60Hz).



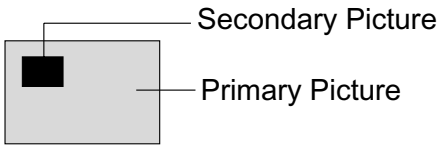
INSTRUCTIONS FOR MULTI-WINDOWS

MULTI-PICTURE OPTIONS

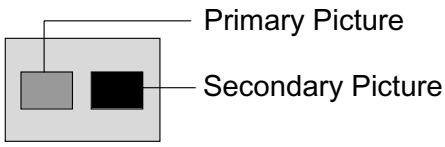
1. Press the P&P button to select the following picture display:
   (1) Single Picture: There will be a single picture being displayed on the screen.



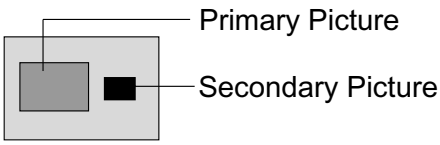
   (2) PIP: There will be a secondary picture displayed in the primary picture being played.



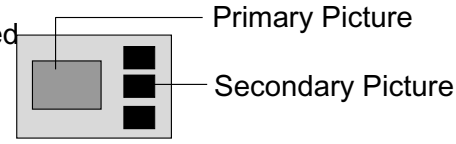
   (3) PBP: There will be two same-sized pictures displayed on the screen.



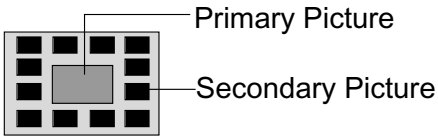
   (4) POP1: There will be a primary picture and a smaller secondary picture displayed, and the secondary picture besides the primary picture.



   (5) POP3: There will be three secondary pictures displayed at the side of the primary picture.



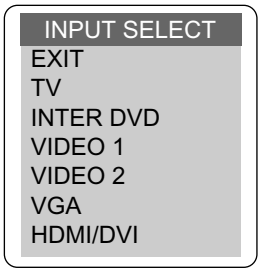
   (6) POP12: There will be twelve pictures displayed around the primary picture simultaneously.



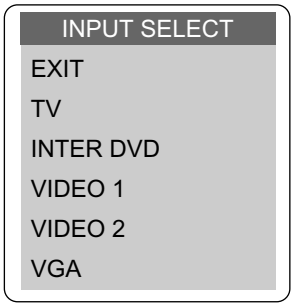
2. P.SELECT: Under PIP, PBP and POP mode, press the P.SELECT button to select the primary or the secondary picture, at the same time a green frame will be appeared around the picture you selected.
3. SWAP: Under PIP, PBP and POP mode, firstly press the P.SELECT button to select the secondary picture and the green frame appears around the secondary picture, then press the SWAP button to swap the primary and the secondary picture.
   a. Under PIP, POP and PBP mode: Press "SWAP" directly to shift the primary and the secondary picture, without selecting the primary or secondary picture.
   b. Under POP3 or POP 12 mode: You must press "P.SELECT" firstly to select the secondary picture, the green frame appears; then press "SWAP" to shift. (Note: the input source of the primary picture must be TV .)
4. Main and Second Audio:
   a. Under PIP, POP and PBP mode: Press "P.SELECT" to select the primary or the secondary picture, then it will output the audio of the selected picture. For example: if you select the secondary picture, and the green frame appears around the secondary picture. At the same time the screen displays the "SECOND AUDIO", it means that the current audio output is from the secondary picture.
   b. Under POP3 or POP 12 mode: If you want to select the audio of one of the secondary pictures, you must press "P.SELECT" repeatedly to select the secondary picture firstly, the green frame appears around the picture; then press "SWAP" to shift the primary picture and the secondary picture. Meanwhile the audio is changed simultaneously with the picture you selected.

INSTRUCTIONS FOR MULTI-WINDOWS

5. Signal Source Selection of Primary And Secondary picture:
   a. Signal Source selection of Primary picture: press "P.SELECT" to select the primary picture, and the green frame appears; then press "VIDEO" to open the SIGNAL SOURCE menu:



   (1) When the menu appears, press ▲/▼ to select the signal source, then press "OK" to validate.
   (2) Press "TV" buttons on the remote control to select "TV" input signal source directly.
   (3) Press "DVD/USB/CARD" to select "Inter DVD" input signal source directly.
   b. Signal Source selection of secondary picture: press "P.SELECT" to select the secondary picture, and the green frame appears; then press "VIDEO" button to open the SIGNAL SOURCE menu:



   ● The method to select the input signal source is the same as the " Signal Source selection of Primary picture ".

Note:

1) " HDMI/DVI " signal source cannot be selected in secondary picture. If the input signal source of the primary picture is "HDMI/DVI", you cannot shift the primary and the secondary picture regardless of the signal source of the secondary picture.
2) When you select the multi-pictures functions at the first time turning on the unit, the signal source of the secondary picture is defaulted on "TV" mode.
   a. Under PIP, POP and PBP mode: The TV program of the primary and the secondary picture can be selected by pressing CH∧/∨ . Also you can press number buttons directly to watch.
   b. In POP3 and POP12 mode: Generally the TV program will be sequential displayed circularly in channel order when the secondary picture is playing TV program. (If you set the "POP scan mode" on " Sequential ", the TV program of the secondary picture will be displayed sequentially in channel order; If set on " Fixed ", only three or twelve fixed TV program displayed on the screen in displaying order.)
   c. In POP3 and POP12 mode, only TV signal can be selected for secondary picture.

INSTRUCTIONS FOR MULTI-WINDOWS

6. Size of the primary or the secondary picture:
   a. Press P.SELECT button on the remote control to select the primary or the secondary picture.
   b. Then press VIEW MODE to select the following size: standard, zoom, 4:3, wide and full screen.

Note:

In POP3 or POP12 mode, press P.SELECT to select one of the secondary picture and the green frame appears; then press VIEW MODE to change the size of the secondary picture as required, and the size of the other secondary pictures will be changed simultaneously.

TROUBLESHOOTING

Symptom	Check Items
No power	● Make sure the Display and the AVC System are connected correctly. ● Check if you pressed **POWER** on the remote control unit. If the indicator on the Display lights up red, press **POWER**. ● Is the AC cord disconnected? ● Has the main power been turned on?
Unit cannot be operated.	● External influences such as lightning, static electricity, may cause improper operation. In this case, operate the unit after first turning on the power of the Display and the AVC System, or unplugging the AC cord and re-plugging it in after 1 or 2 minutes.
Remote control unit does not operate.	● Are batteries inserted with polarity (e, f) aligned? ● Are batteries worn out? (Replace with new batteries.) ● Are you using it under strong or fluorescent lighting? ● Is a fluorescent light illuminated near the remote control sensor?
Picture is cut off/with sidebar screen.	● Is the image position correct? ● Are screen mode adjustments such as picture size made correctly?
Strange color, light color, or color misalignment	● Adjust the picture tone. ● Is the room too bright? The picture may look dark in a room that is too bright. ● Check the input signal setting.
Power is suddenly turned off.	● Is the sleep timer set? ● The unit's internal temperature has increased. Remove any objects blocking vent or clean.
No picture	● Is connection to other components correct? ● Has setup been done correctly after connection? ● Is the correct input selected? ● Is a non-compatible signal being input? ● Is picture adjustment correct?
No sound	● Is the volume too low?

Use in hot and cold rooms (locations)

- When the unit is used in a low-temperature room location, the picture may leave trails or appear slightly delayed. This is not a malfunction, and the unit will recover when the temperature returns to normal.
- Do not leave the unit in a hot or cold location. Also, do not leave the unit in a location exposed to direct sunlight or near a heater, as this may cause the cabinet to deform and the Liquid Crystal panel to malfunction. (Storage temperature: -20¡C to +60¡C)

BASIC OPERATIONS (FOR DVD PLAYER)

Play Discs

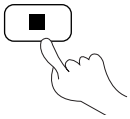
DVD、CD

1. Press POWER to turn on the unit.
2. Press the VIDEO button on the remote control to bring up the AV signal source selection screen and use the ▲/▼ buttons to select "INTER DVD", press the OK button to confirm; in other mode, if you insert the disc to the unit, it will shift to the "INTER DVD" mode automatically.
3. Insert a disc into the disc slot, with the label side facing to yourself.
4. The unit begins to read the disc.
5. Press ► (PLAY) to play the disc.

AFTER STEP 4 IS FINISHED:

- If playing a DVD, the TV screen shows DVD menu or title menu.
- If playing a CD, press ► (PLAY), and the unit plays the disc according to the track numbers.

5. Stop playback.
   Press ■ .

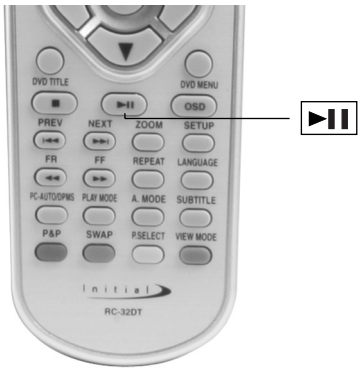


6. Press the ▲ button on the remote control to remove the disc and turn off the unit.

- You have to push "■" button twice to stop playback of a DVD disc.

Pause

DVD、CD



1. Press ►II to make playback pause.

2. Press ►II again to resume playback

OSD

DVD、CD

The On-Screen Display (OSD) contains many playback features.To see the Display, press the OSD button on the remote while a disc is playing. The Display appears across the top of the screen.Each feature is illustrated with an icon. Use the ◄ or ► buttons on the remote to move through the different icons in the Display.
When an icon is highlighted, use the ▼ or ▲ butons on the remote to scroll through the choices displayed in the text box under the icons.

BASIC OPERATIONS (FOR DVD PLAYER)

Remember, you can only access the Display when you're playing a disc. Also, the Display features are only available if the disc was created with that particular feature (i.e., if you select the Subtitle icon, you won't be able to change the subtitle language unless the author of the disc created the disc with subtitles).

The invalid symbol "⃠" appears on the screen when you press a button that doesn't have any function. If one of the icons is "grayed out ",that Display feature isn't available for the disc you're playing. To make the Display disappear from the screen, press OSD on the remote.

DVD

DVD discs have the following playback features:Title, Chapter, Audio, Subtitle, Angle and Repeat.

■ Select a Title

Some discs contain more than one title. For example, there might be four movies on one disc (each movie might be considered a title).

Each title is divided into chapters. To select a title:

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. If the Title icon on the Display isn't highlighted, use the ◄ or ► buttons to highlight it.
3. Press the ▲or ▼buttons to go to the previous or next title.

Note: Some discs only have one title.

■ Select a Chapter

Because DVD discs use digital technology, a title can be divided into individual chapters (similar to tracks on a CD). You can skip to a specific chapter by using the Chapter feature in the Display.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ◄ or ► buttons to highlight the Chapter icon.
3. Press the ▲ or ▼ buttons to go to the previous or next chapter.

Notes: The chapter feature won't work if the disc isn't formatted with separate chapters.

You can also advance to the next chapter by pressing ►►| on the remote and go to the preceding chapter by pressing |◄◄ on the remote.

■ Changing the Audio Language

If the disc was created with different language tracks (recorded in different languages), you can use the Display to temporarily change the DVD player's Audio Language setting.

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ◄ or ► buttons to highlight the Audio icon. The current audio language appears in the text box below the row of icons.
3. Press the ▲ or ▼ buttons to scroll through the audio languages that are available on the disc until the audio language you want to use appears in the text box. Audio will be played in that language.
4. To make the Display disappear, press the OSD button on the remote.

Note: The language feature only works if the disc was created with multiple audio tracks. When you choose an audio language from the Display, you only override the audio language setting in the DVD player's main menu temporarily.

The audio language can also the changed through the DVD player menu.

■ Selecting the Subtitle Language

If the disc was created with subtitles, you can use the Display to change the Subtitle language.

BASIC OPERATIONS (FOR DVD PLAYER)

1. When the disc is playing, press OSD on the remote to bring up the Display.
2. Press the ◄ or ► buttons to highlight the Subtitle icon.
3. Press the ▲ or ▼ buttons to scroll through the subtitle languages that are available on the disc until the subtitle language you want to use appears in the text box. The subtitles will be shown in that language.
4. To make the Display disappear, press the OSD button on the remote.

Notes: Changing the subtitle language with the Display will only affect the disc currently being played. When the disc is removed or the player is turned off, the subtitle language will revert to the language setting specified through the DVD player main menu.

■ Changing the Camera Angle

Some discs contain multiple angles of a particular scene or sequence. If the disc only has one angle, this feature won't work. When multiple angles are available, to change the camera angle:

1. When a disc is playing, press OSD on the remote to bring up the Display.
2. The Angle icon will display the number of angles available. For example, if there are 3 different angles, the icon will read 1 of 3, This means angle 1 is currently being played.
3. Press the ▲or ▼ buttons to scroll through the angle choices. The angle number displayed in the text window is automatically shown.
4. To make the Display disappear, press the OSD button on the remote.

■ Using the Repeat Feature

The default mode for the Repeat feature is off. There are three Repeat options:

- All - repeats the disc that is playing
- Title - repeats the title that is playing
- Chapter - repeats the chapter that is playing

To Use Repeat:

1. While a disc is playing, press OSD on the remote to bring up the Display.
2. Highlight the Repeat icon.
3. Press the ▲ or ▼ buttons to scroll through the Repeat options until the Repeat option you want is displayed in the text box.
4. The selected repeat option will loop repeatedly until you turn Repeat off.

How to Cancel Repeat:

There are three ways to cancel Repeat:

- Press STOP twice.
- Go to Repeat icon in the Display and select Off.
- Eject the disc.

CD

CD discs have the following playback features: Track, L/R, and Repeat.

■ Select a Specific Track

1. While the disc is playing, press OSD on the remote to bring up the Display.
2. Highlight the Track icon.
3. Press the ▲ or ▼ buttons to scroll through the track numbers.

■ Changing the Audio Channel Output

If you are playing a Stereo CD, you can change the channel output from the player.

1. Press OSD on the remote to bring up the Display.
2. Highlight the L/R icon on the Display.
3. The audio channel choices appear in the text box. Press the ▲ or ▼ buttons to scroll through the choices: LEFT MONO, RIGHT MONO, MIXED MONO or STEREO. Whatever choice is displayed becomes the active choice.

■ Using the Repeat Feature

The default mode for the Repeat feature is off. There are two Repeat options for CDs:

- All - repeats the disc that is playing
- Track - repeats the track that is playing

BASIC OPERATIONS (FOR DVD PLAYER)

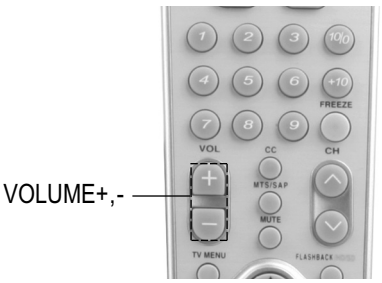
To Use Repeat:

1. While a disc is playing, press OSD on the remote to bring up the Display.
2. Highlight the Repeat icon.
3. Press the ▲ or ▼ buttons to scroll through the Repeat options until the Repeat option you want is displayed in the text box.
4. The selected repeat option will loop repeatedly until you turn Repeat off.

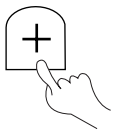
Volume Control

DVD 、 CD

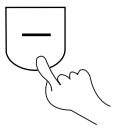
- Press VOLUME on the TV or amplifier to adjust the volume.
- Press VOLUME on the remote control.



1. Press + to raise the volume.

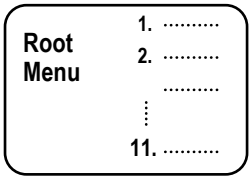


2. Press - to lower the volume.



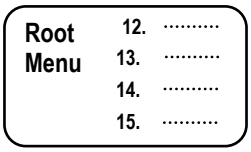
DVD Menu Play DVD

Some DVDs have title menus and chapter menus.
Press ► (PLAY), the screen shows the menu.
Press ►►| or |◄◄ to skip to the next or previous page.
Select with number buttons or direction buttons.

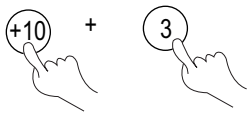


Example: select track 13.

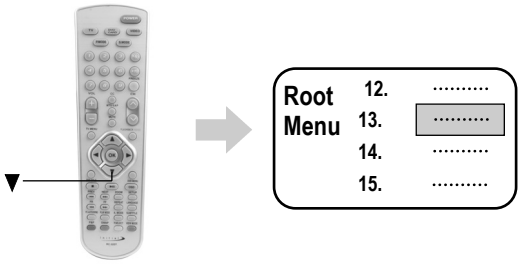
1. Press ►►| to enter the next menu.



2. Press number buttons to select directly.



You can also select as follows:
1. Press ▼ to select track 13.



2. Press ► (PLAY) to start playing track 13.

Press DVD TITLE once to return to the title menu.
Press DVD MENU once to return to the root menu, press it again to resume playback.

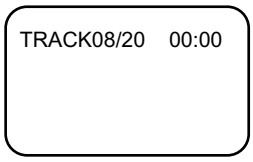
Select with Number Buttons

CD

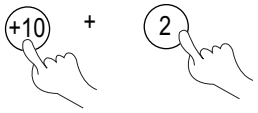
Load a disc. Press number buttons to select tracks after the unit finishes reading the disc.

1. If the track number isn't over 10, just push buttons 1-10.
   Example: push [8] to select track 8.

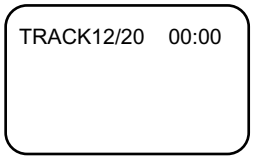
The screen shows:



2. If the track number is over 10, press [+ 10] once and a button between 1-10.
   Example: if you select track 12, press [+10] once and button [2].



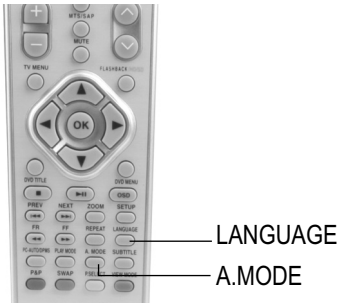
The screen shows:



Audio Mode

DVD , CD

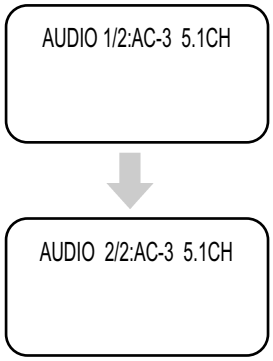
- You may select a language from a multi-language DVD.
- You may select the right channel, left channel, or stereo options from a multi-channel CD.



DVD

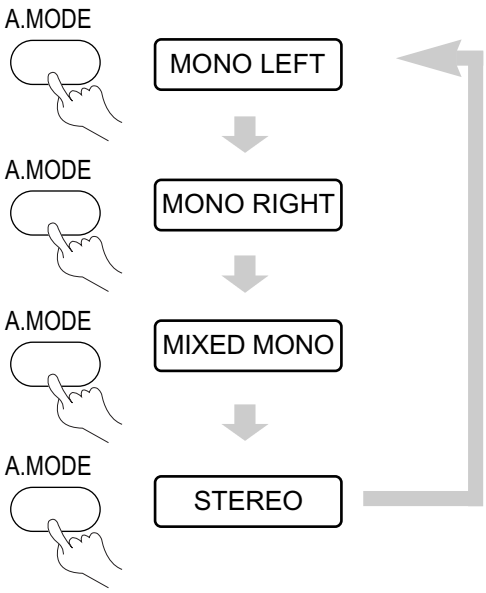
- To select a language, press [LANGUAGE].

The screen will show the following in order:



Different discs may differ in languages available.

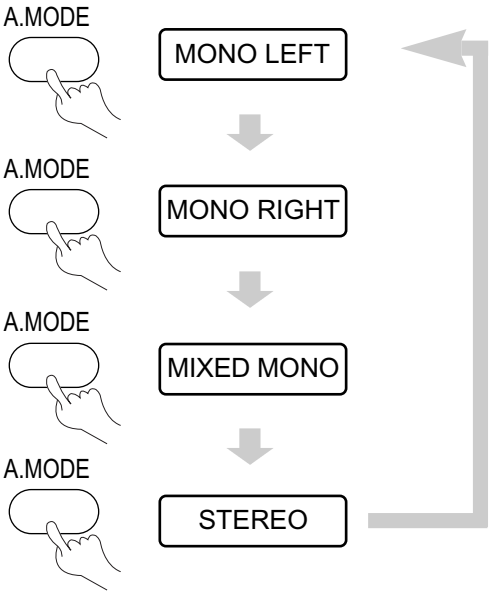
- To select audio channel option, press [A.MODE], the screen shows the following in order:



PLAY DISCS IN VARIOUS WAYS

CD

To select audio channel option when for CD playback, press A.MODE . The screen will show the following in order:



You may select one mode.

Notes:

- Different discs differ in languages available.

Mute

DVD 、CD

When playing a disc, this function removes the sound.

1. TO REMOVE SOUND
   Press MUTE , to remove the sound.

2. TO RESUME SOUND
   Press MUTE again, to resume sound.

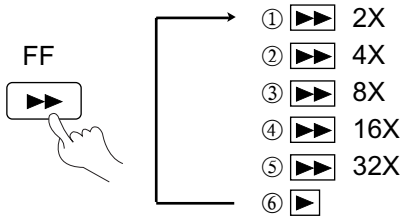
Fast Play

DVD 、CD

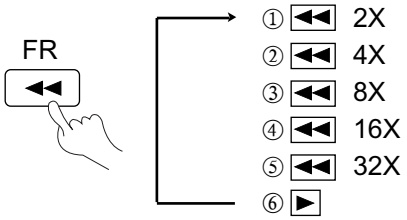
When playing a disc, you can play it in fast-forward or fast-reverse mode to find what you want to view.

DVD OR CD

1. While disc is playing, press ►► to play in fast-forward mode. Each time you press the button, the screen shows the following in order:



2. While disc is playing, press ◄◄ to play in fast-reverse mode. Each time you press the button, the screen shows the following in order:



3. Press ► (PLAY) to switch to normal play while in fast-forward or fast-reverse playing mode.

PLAY DISCS IN VARIOUS WAYS

Repeat Play

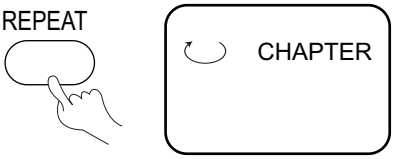
DVD , CD

This function can be used to repeatedly play a title, chapter, track, or a whole disc.

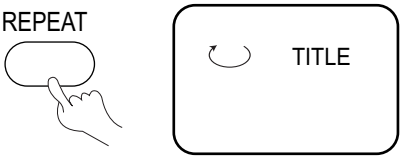
DVD

You can repeat a title or chapter.

1. To repeat a chapter:
   Press REPEAT , the screen will show:



2. To repeat a title:
   Press REPEAT twice, the screen will show:

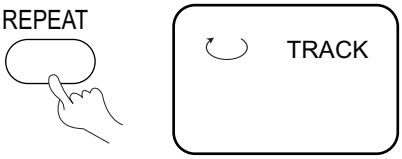


3. To repeat all:
   Press REPEAT third time, the screen shows " ALL".
4. To remove "REPEAT" function:
   Press REPEAT until " ALL" disappears.

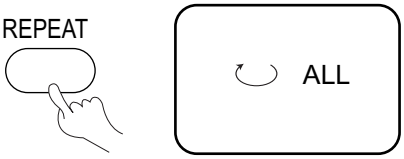
CD

- You may repeat a track or an entire disc according to the following steps.

1. To repeat a track:
   Press REPEAT , the screen shows " TRACK".
   The unit plays the current track.



2. To repeat a disc:
   Press REPEAT , the screen shows " ALL".
   The unit plays all the tracks on the disc.

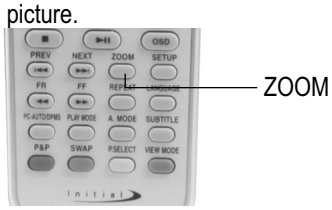


3. To remove "REPEAT" function:
   Press REPEAT till " ALL" disappears.

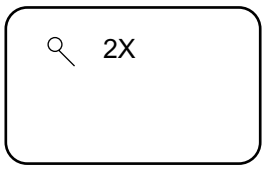
Zoom Play

DVD

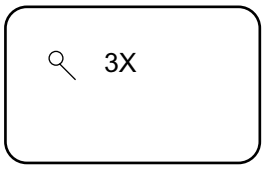
This function can be used to watch a motion or motionless picture.



1. Press ZOOM during playback, the screen shows:



   The picture is enlarged twice the size.
2. Press ZOOM again, the screen shows:



   The picture is enlarged three times the size.

Note: The unit has six zoom levels:

2X, 3X, 4X, 1/2 , 1/3 , and 1/4 .

3. Press ◄, ▲ , ▼, ► to move the enlarged picture.
4. To resume the picture, press ZOOM until the picture is in normal size.

PLAY DISCS IN VARIOUS WAYS

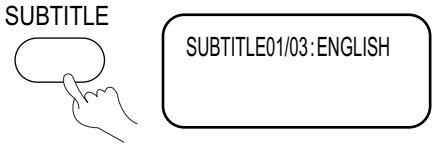
Select Subtitles

DVD

This operation works only with discs with multiple subtitle languages recorded.

DVD

1. Press SUBTITLE repeatedly until the desired language is selected.
   The screen shows:



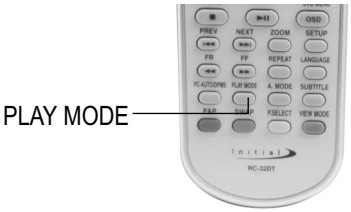
2. Remove the subtitle.
   Press SUBTITLE until the screen shows "TURN OFF SUBTITLE".

Notes:

- For some discs, subtitles cannot be removed.
- Different discs differ in the language of subtitles.
- If the subtitles of discs cannot be selected, the screen shows " ⊘ " when you press SUBTITLE.

Program Play

DVD CD



To use the program playback feature, you must enter the order in which you want the titles (and chapters) on the DVD or the tracks on the CD to play by creating a program.

DVD

1. Press PLAY MODE until the screen shows:

PROGRAM: TT(20)/CH (−−)

01	TT:_ _	CH:_ _		06	TT:_ _	CH:_ _	
02	TT:_ _	CH:_ _		07	TT:_ _	CH:_ _	
03	TT:_ _	CH:_ _		08	TT:_ _	CH:_ _	
04	TT:_ _	CH:_ _		09	TT:_ _	CH:_ _	
05	TT:_ _	CH:_ _		10	TT:_ _	CH:_ _	

EXIT NEXT ▶▶|

2. Use the number buttons on the remote to enter the title (and chapter) you want to play first. The title (and chapter) number you entered appears in the box. For example: Enter Chapter 1 in Title 8, the screen shows:

PROGRAM: TT(20)/CH (−−)

01	TT:0 8	CH:0 1		06	TT:_ _	CH:_ _	
02	TT:_ _	CH:_ _		07	TT:_ _	CH:_ _	
03	TT:_ _	CH:_ _		08	TT:_ _	CH:_ _	
04	TT:_ _	CH:_ _		09	TT:_ _	CH:_ _	
05	TT:_ _	CH:_ _		10	TT:_ _	CH:_ _	

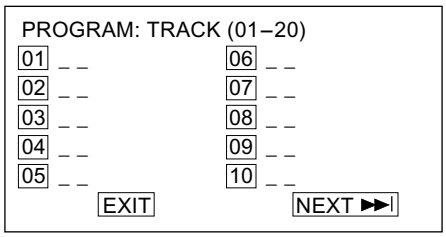
EXIT START NEXT ▶▶|

3. The cursor jumps to the next spot in the program list section. Make sure the box is highlighted and enter your next track.
4. Continue adding title (and chapter) until your program is complete. You can play your program by highlighting START and press PLAY.
   Note: If you want to program more than 10 titles (and chapters), highlight NEXT and press PLAY to go to the next page. Proceed to program 11-20 in the same way titles 1-10 were programmed.
5. To remove program playback, press the STOP button twice during the program play.

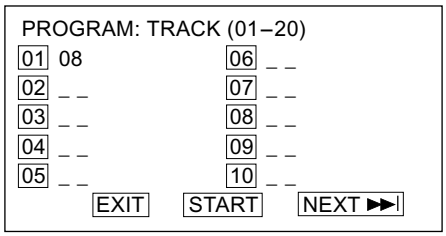
PLAY DISCS IN VARIOUS WAYS

CD

1. Press PLAY MODE until the screen shows:



2. Use the number buttons on the remote to enter the track number you want to play first. The track number entered appears in the box. The example: To program track 8 of a CD to play first, enter 8, and the screen shows:



3. The cursor jumps to the next spot in the program list section. Make sure the box is highlighted and enter your next track.

4. Continue adding tracks until your program is complete. You can play your program by highlighting START and press PLAY .

Note: If you want to program more than 10 tracks, highlight NEXT and press PLAY to go to next page. Program 11-20 in the same way 1-10 were programmed.

5. To remove program playback, press the STOP button during the program play.

Shuffle (Random) Play

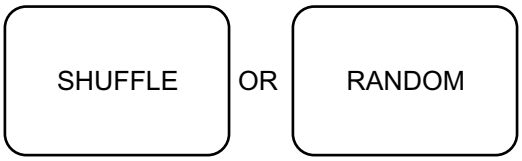
DVD CD

The unit can play DVD chapters or audio tracks in random order.

The order is different each time.

1. Press PLAY MODE to select shuffle or random play mode when a disc is playing.

The screen shows:



2. Shuffle or random play will begin.

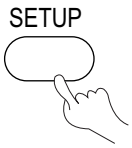
3. Remove shuffle or random play.

- When playing a DVD disc, press ■ twice.
- When playing a CD disc, press ■ twice.

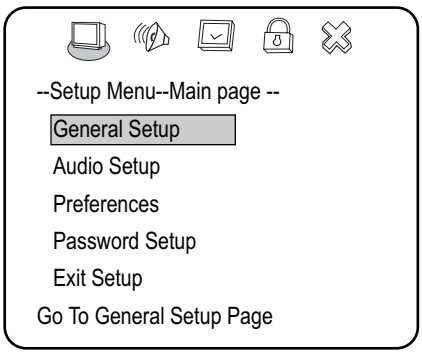
MENU SETTING

According to the recorded information and external equipment, set the following functions for the player to obtain the best playing status.

1.Press SETUP to set options in the main menu.



The main menu appears on the screen, with icons across the top of the screen, illustrating General Setup, Audio Setup, Video Setup,Preference, Password Setup, and Exit Setup.
The screen shows:

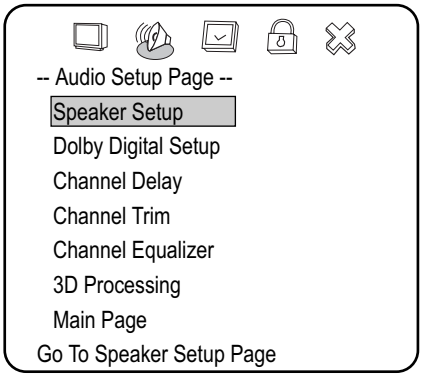


2. Press direction buttons (▼or▲) to select and press ► (PLAY) to confirm.

Example: Select "Audio Setup" and do some setup.

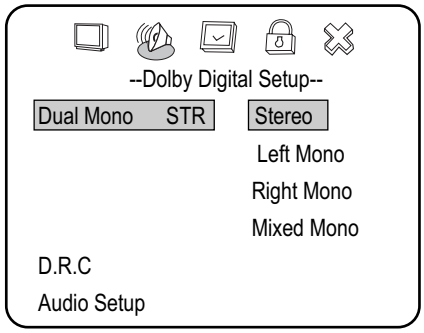
- Press direction button ▼ to highlight "Audio Setup", press ► (PLAY) to enter "Audio Setup Page".

The screen shows:



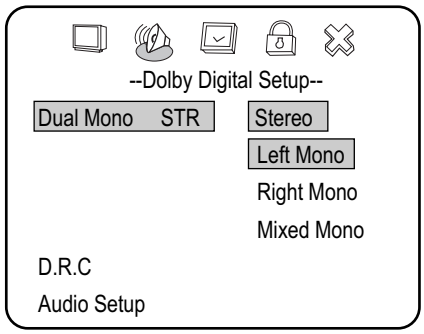
- Press direction buttons (▼ or ▲) to highlight "Dolby Digital Setup", and press ► (PLAY) to enter "Dolby Digital Setup" Page. The screen shows the submenu for your selection.

The screen shows:



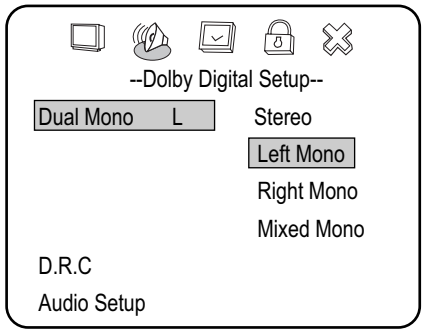
- Press direction buttons ►, ▼ to select "Left Mono".

The screen shows:

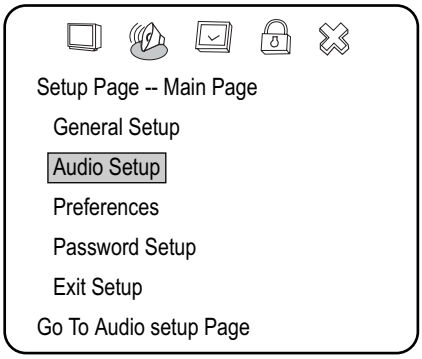


- Press ► (PLAY) to confirm your selection. Set "Dual Mono" in "Dolby Digital Setup" to "Left Mono".

The sereen shows:



3. Exit setup menu.
- Press the direction button ◄ to exit from "Dual Mono".
- Press the direction button ◄ to exit from "Dolby Digital Setup".
- Press the direction button ▼ to highlight "Main Page" and press ► (PLAY). The screen shows:

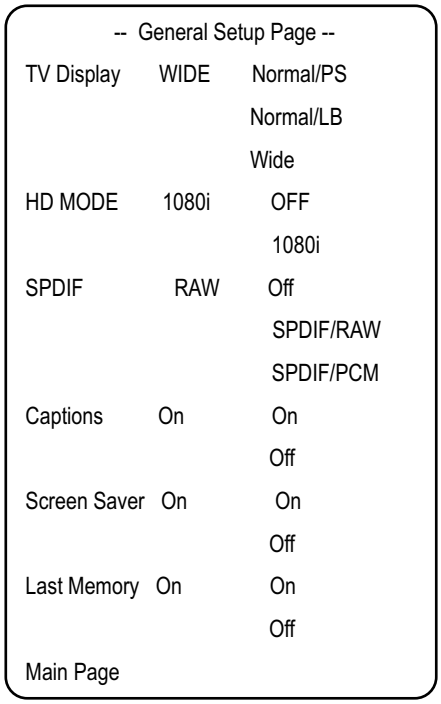


- Press the direction button ▼ to highlight "Exit Setup" and press ► (PLAY) to exit setup menu completely.

NOTE: You can also keep pressing the direction button ◄ until the cursor is moved to the last icon illustrating Exit, then press the ► (PLAY) button to exit setup menu completely.

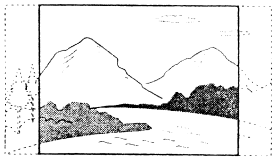
General Setup

The setting structure is :



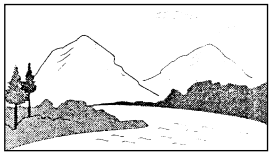
■ TV DISPLAY

1. NORMAL/PS
   This is selected when the unit is connected to a normal TV.
   Wide-screen images are shown on the screen, but with some parts cut automatically.



2. NORMAL/LB
   This is selected when the unit is connected to a normal TV. Wide-screen images are shown on the screen with black bars on the top and bottom of the screen.

3. WIDE
   This is selected when the unit is connected to a wide-screen TV.



■ HD MODE

You may select according to the color system of the TV to be connected.

- Select "OFF"for a NTSC TV.
- Select "1080i" for a High-definition TV.

■ SPDIF OUTPUT

- SPDIF OFF: No signal output is from digital port.
- SPDIF/RAW: Select this when the DVD player is connected with a digital amplifier through digital port. When a Dolby Digital disc or MPEG disc are played, the digital output will be optional. The power amplifier to be connected must have Dolby Digital and MPEG decoding.
- SPDIF/PCM: Select this when the DVD player is connected with a 2-channel digital stereo amplifier. When a Dolby Digital or MPEG disc is played, the digital port will output in PCM 2-channel format.

■ CAPTIONS

- ON

Subtitles are shown.

- OFF

Subtitles are hidden.

■ SCREEN SAVER

The screen saver image appears when the unit stops or the image is frozen for a few minutes. The screen saver prevents damage to the TV screen.

- ON: Start the screen saver.
- OFF: Remove the screen saver.

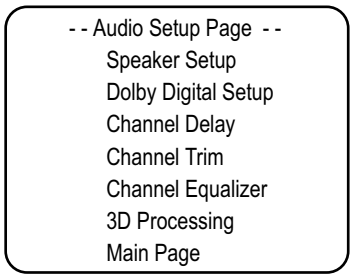
■ LAST MEMORY

The unit can memory the point of a disc where the power is off and play from the point when you turn on the unit again.

- ON: This function is on and works.
- OFF: This function is off and does not work.

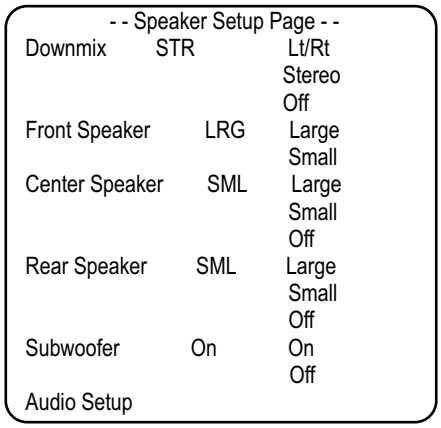
Audio Setup

The setting structure is:



■ SPEAKER SETUP

You can use this setup menu to select your speaker type and to turn them on or off.
The setting structure is:



- Lt/Rt

The output signal of a disc recorded with multi-channel soundtrack will be downmixed to left and right channels.

- STEREO

The output signal of a disc recorded with multi-channel soundtrack will be downmixed to stereo.

- LARGE/SMALL

Select Large or Small according to the power of the connected speakers.

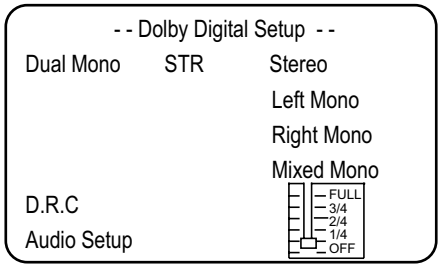
- ON/OFF

Use to turn the speakers on or off.

Note: When "Downmix" is set to "Lt/Rt" or "Stereo" , "Center Speaker" and "Rear Speaker" are dimmed.

■ DOLBY DIGITAL SETUP

The setting structure is:



MENU SETTING

• DUAL MONO

This is the output mode of the L and R signals of the set audio output. If it is set to "MIXED MONO", the function only works when the DVD being played is 5.1-channel.

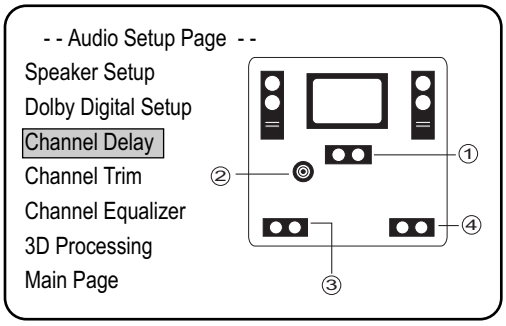
• D.R.C

This is selected to adjust linear compression rate to obtain the different compression results of the signals.

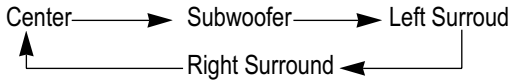
■ CHANNEL DELAY

Use this setup menu to adjust the delay time of the center, surround and subwoofer channels to obtain best sound effect.

The setting structure is:

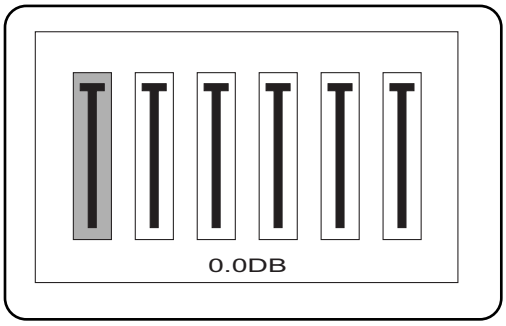


• Press the direction button ▼to highlight "Channel Delay" and press the direction button ► to select the channels in the following order:



■ CHANNEL TRIM

The setting structure is:

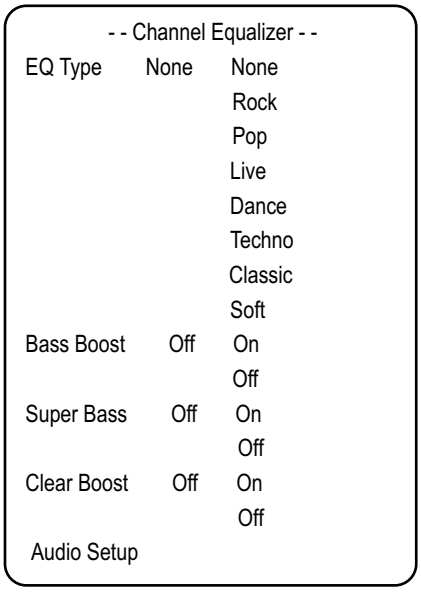


You can use the direction buttons to select one of the 5.1 channels and use the ▲ or ▼ buttons to raise or lower the channel trim.

■ CHANNEL EQUALIZER

This option will help you to select graphic equalizer patterns according to the genre of the music being played.

The setting structure is:



• EQ TYPE

You can select music category by pressing the direction buttons and confirm by pressing the PLAY button.

• BASS BOOST

Use to turn BASS BOOST on and off.

• SUPER BASS

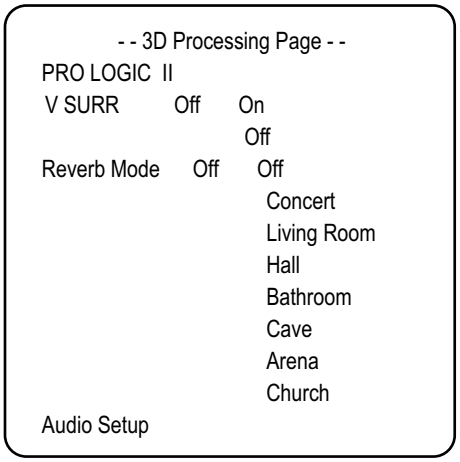
Use to turn SUPER BASS on and off.

• CLEAR BOOST

Use to turn CLEAR BOOST on and off.

■ 3D PROCESSING

The setting structure is:



MENU SETTING

• PRO LOGIC II

Use the direction button ▼ to select "PRO LOGIC II" and press the ►(PLAY) button to confirm,and enter"PRO LOGIC II "setup.

The setting structure is:

- - PRO LOGIC II Config - -		
PRO LOGIC II	Off	On
		Off
		Auto
MODE	MUS	Music
		Movie
		PRO Logic
		Auto
Panorama	Off	On
		Off
		Size-3
		Size-2
		Size-1
Dimension	00	Size0
		Size1
		Size2
		Size3
Center Width	03	Level 0
		Level 1
		Level 2
		Level 3
		Level 4
		Level 5
		Level 6
		Level 7

◆ PRO LOGIC II

①ON:When a 2-channel audio signal disc is being played,2-channel audio signal will be processed as 5.1-channel audio signal through the PRO LOGIC II decoder inside the DVD player.

②OFF:Use to turn the above function off.

③AUTO:The DVD player selects the above function according to the discs being played.

NOTE:If "PRO LOGIC II "is set to "OFF",the all following options will be turned off .

◆ MODE

①MUSIC:This is mainly used when CD discs or other stereo music are played.

②MOVIE:This is generally used when movies with Dolby Surround Sound track are played.

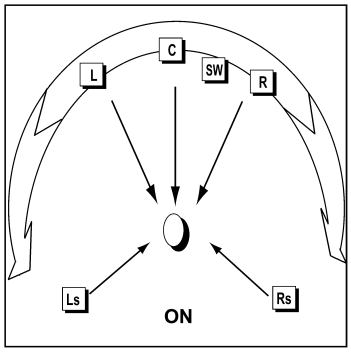
③PRO LOGIC:Normal PRO LOGIC decoding function for playing Dolby Surround Sound discs.

④AUTO:The DVD player selects the above modes according to the discs being played.

NOTE:Only when "MODE"is set to "MUSIC",the all following options,such as"PANORAMA "can be selected to set.

◆ PANORAMA

ON:Extend stereo out of the two front speakers to the both sides,and bring exciting feeling to the listener.



OFF:Turn the above function off.

◆ DIMENSION

This is used to adjust the balance between the two front channels and the two rear channels as your desire.

①Press the ►(PLAY)button to begin the adjustment,and use the ▼, ▲ direction buttons to select.

②When "SIZE 1"is selected,the sound field overweight the two front channels.

③When "SIZE -1 "is selected,the sound field overweight the two rear channels.

◆ CENTRE WIDTH

This is used to select different width and mix the sound out of the centre channel to the two front channels to bring better feeling.

When it is set to the max ,the sound out of the centre channel is completely mixed to the two front channels.

• V SURR

ON:Simulate surround sound mode ,surround sound effect by the two front speaker two channels output.

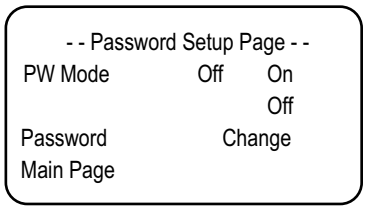
OFF:Use to turn the above function off.

• REVERB MODE

Use to select a Reverb Mode which you want.

Password Setup

The setting structure is :

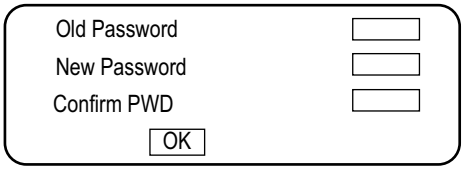


PASSWORD MODE

- ON: The password function is on and "PARENTAL" is dim and cannot be selected.
- OFF: The password is locked, "PARENTAL" can be selected.

PASSWORD CHANGE

Select this to adapt the code, the screen shows:



Enter a password according to the screen.

Note: The password is automatically factory set to 99999.

Preferences

The setting structure is :

MENU SETTING

- - Preference Page - -

Audio ENG English
French
Spanish
Chinese
Japanese

Subtitle ENG English
French
Spanish
Chinese
Japanese
Off

Disc Menu ENG English
French
Spanish
Chinese
Japanese

Parental 08 1 KID
2 G
3 PG
4 PG 13
5 PGR
6 R
7 NC-17
8 ADULT

Default Reset

Main Page

■ LANGUAGE SELECTION

If a language mentioned above is recorded on the disc, you can select sound, subtitles or disc menu languages. If not, the language recorded on the disc is shown.

■ PARENTAL LOCK

When playing a disc with parental lock function, you may select an age control grade according to the rating your desire.

Example: If "PG" is selected, you cannot play DVD video discs rated higher than the PG grade.

■ DEFAULT >> RESET

Each function setting returns to the initial status in the factory if you select this option.

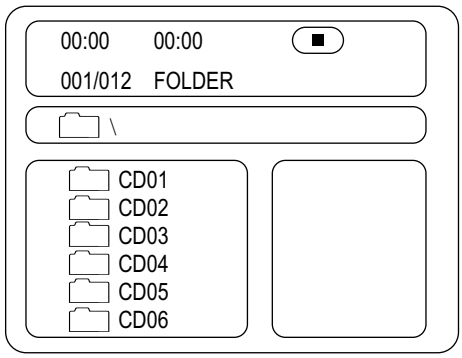
Note:

- "PREFERENCES" can only be selected when password is OFF when the unit is in stop mode.

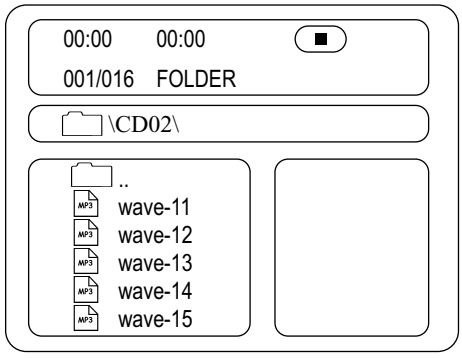
MP3 OPERATIONS

■ SELECT TRACKS WITH NUMBER BUTTONS

1. Insert a disc, the unit will search disc information. The TV screen displays main menu.



2. Press direction key ▼ to select song folder. Press ► (PLAY) to confirm selection. Example: Select MP3-02, the TV screen displays.



3. Press direction buttons to select a song. Press ► (PLAY) button to start playback.
4. Press ▲ or ▼ button to select other tracks in stop mode.
5. In stop mode, select the folder icon (UP DIR 1) on the left side, then press ► (PLAY) button to return to the main menu.
6. Press ►►| or |◄◄ to play previous or next songs.

■ OTHER FUNCTIONS

During playback of MP3 discs, the unit features mute, volume control, and repeat play. Operations are the same as CD.

KODAK PICTURE CD PLAYBACK

A Kodak Picture CD has the size and shape of a regular CD. You can order a KODAK Picture CD simply by checking the box on the photofinishing envelope when you drop off a roll of film (35 mm or Advanced Photo System (APS) color print film) at the time of processing in photo processing outlet displaying "Kodak Picture CD"sign. When your order is returned, you receive your prints, negatives, and your full roll of pictures safely stored on your KODAK Picture CD. Each KODAK Picture CD brings you the tools to enhance, share and manage your pictures on your computer.
Now, you can playback Kodak Picture CDs on XXX DVD players and view your pictures on your TV in the comfort of your living room.

Playing back your Kodak Picture CD

The new feature enables the decoding of JPEG files from a Kodak Picture CD disk.

Zoom

We provide both ZOOM in/out and Zoom pan function for the pictures. The "ZOOM" key is used to turn on or off this function. When this mode is on, any picture will be displayed at the last ratio selected by the user. A message on the screen will indicate the current Zoom ratio.

If zoom mode is on, ZOOM key are used to control the ratio of zoom in/out. With ZOOM mode off, a picture is scaled to fit the TV screen.

Notes: During ZOOM function, slideshow transition and image rotation are disabled. TO cancel the ZOOM function, press the OK key to resume the slideshow.

Digest

The "DVD MENU" or "STOP" key is used to display thumbnail size pictures. After it is enabled, up to 9 scaled-down thumbnail pictures will be displayed on the screen. The "NEXT" and "PREV" keys can be used to display the next/prev nine pictures in the the Kodak Picture CD.

You can select any of the nine displayed thumbnails by using the Arrow Keys and pressing the "PLAY" key. The thumbnail will be enlarged to fit the TV screen and the slide show will start. If you desire to display an image indefinitely, press the PAUSE key. To view the Next or Previous picture press NEXT or PREVIOUS keys. To resume the slideshow press the PLAY key.

IMPORTANT NOTE:
Quality of pictures displayed on the screen is highly dependent on the viewing device.

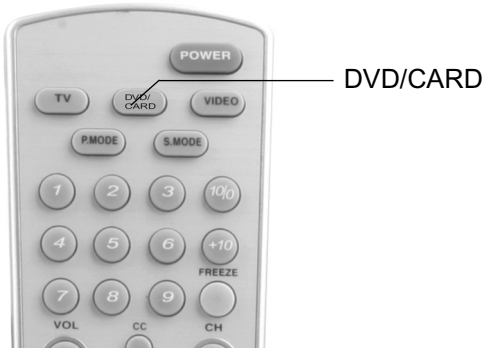
MEMORY CARD PLAY OPERATION

MEMORY CARD (MMC/SD /Memory Stick card) can memory MP3 songs and digital pictures .

How to select MEMORY CARD to play

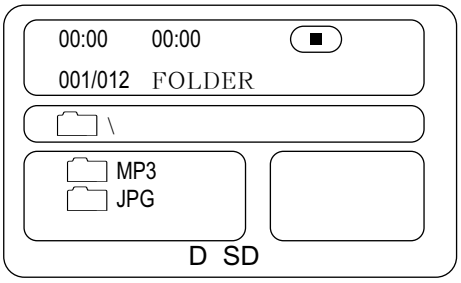
1. Turn on the power of the display and AVC system after the system cable is connected.
2. Insert MMC/SD/Memory Stick card to the "3 in 1 DIGITAL CARD" Slot.

3. Press VIDEO to select " INTER DVD " mode .
4. Press" DVD/CARD" button on the remote control to switch : DVD /CARD.



How to play MEMORY CARD

1. In DVD mode , press "DVD/CARD" button on the remote control to switch. Example :



2. Press "DVD/CARD" button on the remote control to switch.
   1) If insert " Memory Stick " card to the "3 in 1DIGITAL CARD" slot , the screen displays " MS" when the unit was switched to " CARD " play .
   2) If insert " MMC " card,the screen display MMC ; if insert "SD" card , the screen displays " SD" when the unit was switched to "CARD " play .
3. The operation of MEMORY CARD are the same as " MP3" operation .

NOTE: According to the content of the MEMORY CARD , the display picture will be different .

TROUBLESHOOTING

If you experience the following problems while using the unit, this troubleshooting guide can help you.

No sound

- Check if the unit is connected securely.
- Make sure the TV or amplifier is working properly.
- Make sure the amplifier is set to receive DVD signal output.

No image

- Check if the unit is connected securely.
- Make sure the TV is working properly.
- Make sure the color system is set correctly.

Bad sound quality

- Make sure the audio output mode is set correctly.
- Make sure the audio connection between the unit and amplifier is in place.

Disc cannot be played

- There is no disc in the unit.
- Put the disc on the disc tray properly with the label side up.
- Clean the disc.
- Moisture has condensed in the unit. Remove the disc and leave the unit on for about an hour.

The unit doesn't operate normally

- Disconnect the power plug and insert it into the wall outlet again.

Remote control does not work

- Remove barriers between the remote control and the unit.
- Point the remote control at the remote control sensor of the unit.
- Replace the batteries with new ones.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

TECHNICAL SPECIFICATIONS

LCD	PANEL	32'' WIDE TFT LCD
	RESOLUTION	1366 X RGB X 768 (WXGA)
	VIEWING ANGLE (H/V)	176°/176°
	CONTRAST RATIO	600:1
	BRIGHTNESS (cd/m2)	500
	EFFECTIVE PIXEL RATE	MORE THAN 99.99%
DIMENSION	WITH STAND (mm)	1000 X 180 X 605
	WITHOUT STAND (mm)	1000 X 79 X 503
TV-FUNCTION	TV STANDARD	NTSC
	TUNING SYSTEM	ELECTRIC TUNING SYSTEM
	FREQUENCY RANGE	VHF/UHF
	CATV	125 CHANNELS
INPUT POWER		AC120V, 60Hz
SOUND OUTPUT		8W + 8W
POWER CONSUMPTION		150W
TERMINALS	AV IN	VIDEO, S-VIDEO, AUDIO L&R
	COMPONENT	Y, Pb (Cb), Pr (Cr)
	MONITOR OUT	VIDEO OUT
	PC IN	D-SUB 15PIN RGB IN
	HDMI/DVI IN	HDMI/DVI CONNECTOR
	ANTENNA IN	F-TYPE

Laser		Wavelength 650nm
Video system		NTSC
Frequency response (DVD line out)		20Hz ~ 20KHz ± 2.5dB
Signal/noise ratio		⩾80dB
Audio distortion + noise		⩽- 60dB (1KHz)
Channel separation		⩾80dB (1KHz)
Dynamic range		⩾80dB (1KHz)
Output	Audio out (analog audio)	output level: 2V $^{+0.2V}_{-0.5V}$ Load impedance: 10K Ω
	Video out	output level: 1Vp-p ± 20% Load impedance: 75 Ω, imbalance, negative polarity
Power supply		AC120V, 60Hz
Power Consumption		⩽20W
AVC SYSTEM DIMENSION(mm)		430 X 315 X 82 (with stand)

This manual is only for your reference, any change to the design and specifications will not be advised.